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UNITED STATES NATIONAL MUSEUM.

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OF THE

UNITED STATES NATIONAL MUSEUM.

No. 52.

A LIST OF NORTH AMERICAN LEPIDOPTERA AND KEY TO THE LITERATURE OF THIS ORDER OF INSECTS.

BY

HARRISON G. DYAR, Ph. D.,
Custodian of Lepidoptera, United States National Museum,

ASSISTED BY

C. H. Fernald, Ph. D., the late Rev. George D. Hulst,
and August Busck.

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ADVERTISEMENT.

This work (Bulletin No. 52) is one of a series of papers intended to illustrate the collections belonging to or placed under the charge of the Smithsonian Institution and deposited in the United States National Museum.

The publications of the National Museum consist of two series—the *Bulletin* and the *Proceedings*.

The *Bulletin*, publication of which was commenced in 1875, is a series of elaborate papers issued separately and based for the most part upon collections in the National Museum. They are monographic in scope and are devoted principally to the discussion of large zoological groups, bibliographies of eminent naturalists, reports of expeditions, etc. The bulletins, issued only as volumes with one exception, are of octavo size, although a quarto form, known as the Special Bulletin, has been adopted in a few instances in which a larger page was deemed indispensable.

The *Proceedings* (octavo), the first volume of which was issued in 1878, are intended primarily as a medium of publication for newly acquired facts in biology, anthropology, and geology, descriptions of new forms of animals and plants, discussions of nomenclature, etc. A volume of about 1,000 pages is issued annually for distribution to libraries, while a limited edition of each paper in the volume is printed and distributed in pamphlet form in advance.

In addition, there are printed each year in the second volume of the Smithsonian Report (known as the Report of the U. S. National Museum) papers, chiefly of an ethnological character, describing collections in the National Museum.

Papers intended for publication by the National Museum are usually referred to an advisory committee, composed as follows: Frederick W. True (chairman), William H. Holmes, George P. Merrill, James E. Benedict, Otis T. Mason, Leonhard Stejneger, Lester F. Ward, and Marcus Benjamin (editor).

S. P. Langley,
Secretary of the Smithsonian Institution.

Washington, U. S. A., *December 1, 1902.*

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PREFACE.

This work is intended to take the place of Smith's List of the Lepidoptera of Boreal America (1891), and to furnish a condensed catalogue of North American Lepidoptera comparable to Staudinger and Rebel's Catalogue of the Lepidoptera of Europe. Within a few years several of the larger families of the Lepidoptera have been fully catalogued, so that it seemed both unnecessary and inadvisable to repeat all of this matter. To avoid this, and yet make these references easily available, a catalogue reference is given at the head of each family, abbreviated "C," and it is specifically referred to by pages or numbers. The original reference to each species is, however, always repeated, except in the case of old synonyms. All specific synonyms are included, but where the reference is not given it will be found in the Catalogue referred to.

Within the last ten years the classification of the Lepidoptera has been radically altered. No exact consensus of opinion as to the proper sequence of families and genera has been reached, but the recent workers are so closely in accord as to the principles involved and the resultant general scheme that we seem to be somewhere near a natural classification. In the present list I have followed my own views, based largely on larval characters, in the arrangement of the family and superfamily groups. The system does not differ in general from that of Edward Meyrick, which has been adopted by the British Museum in the Catalogue of the Lepidoptera Phalænæ, though the order of groups is somewhat different. I have placed the butterflies first, since they seem on the whole "higher" than the moths, and this course agrees with the usual custom. I follow with the Sphingidæ and Saturnians for the same reasons, although, in venation, they are more generalized than some of the Noctuid groups. The list, as a whole, proceeds from higher to lower forms, as in Staudinger and Rebel's catalogue.

The butterflies follow in the main Dr. H. Skinner's recent catalogue as to species. I have restored the genera as worked out by Dr. S. H. Scudder. I have not been able to give the matter full study, so that some of the genera are doubtless not pure, while there are probably too many of them; but as they stand they seem more in harmony with generic

ideas, as understood in the rest of the order, than they have been in any other general list, and are at least an improvement on these. I have placed the Papilonidæ first, not because I regard them as higher than the Nymphalidæ—the reverse is the case—but because the studies of Prof. A. R. Grote seem to show that they can not be interpolated anywhere, having a very distinct phylogeny. The Sphingidæ are not radically altered from the arrangement given in Dr. J. B. Smith's paper on the group some years ago. The Saturnians follow the work of Mr. B. Neumoegen and myself. In the Bombycoidea I have followed Sir G. F. Hampson's Catalogue of the Lepidoptera Phalænæ as far as published. The Noctuidæ have been recently catalogued by Dr. Smith, and I have followed this catalogue with sundry changes, largely suggested by himself. Professor Grote has made some studies on the types of the Noctuid genera with the view of revising their nomenclature, but his results unfortunately did not reach me in time to be made full use of. Professor Grote also very kindly offered me his assistance in regard to other details in the Noctuidæ, which would have been of great value from his long experience with this family; but owing to the distance at which he lives I was unable to take advantage of the offer. The order of genera has, however, been changed to agree with Dr. Smith's present views. The manuscript of the Geometridæ was prepared by the late Dr. George D. Hulst, and was not entirely finished at his death. I have made almost no alterations in it, simply completing it on the lines laid down. It forms his last contribution to the study of this family. In the Tineoidea Dr. Hulst furnished manuscript for the subfamily Phycitinæ of the Pyralidæ, and Dr. C. H. Fernald for the remaining subfamilies of this group, together with the Pterophoridæ and Tortricidæ. The references by these gentlemen have been given somewhat more fully than in some of the other families, but this has seemed advisable, because in some of these groups the latest catalogue is much out of date, and in others there exists no catalogue. Mr. August Busck has greatly assisted me in the arrangement and sequence of the Tineid groups proper, and he has prepared the Gelechiidæ from a full article on that family, which is now in press and will appear soon after this catalogue.

The species have been numbered in sequence, as in the latest American check list. With the marked changes in arrangement and additions, it has naturally been impossible to preserve any relation between these numbers and the old ones. A few decimal numbers have been used for species inserted after the manuscript was completed.

The habitats of the species are given in a general way. The term "Atlantic States" includes the Alleghanian, Carolinian, and Austroriparian faunas of Dr. C. Hart Merriam's map (Bulletin No. 10, U. S. Department of Agriculture, Division of the Biological Survey, 1898). "No. U. S." refers to the Boreal and Transition zones of the Northern

States and Canada; "Pacific States" to these same zones in California, Oregon, Washington, and British Columbia. "U. S." refers to the whole of the United States and Canada.

The abbreviations of the names of publications are given in a more extended form than in Staudinger and Rebel's Catalogue, and it is expected that they will be self explanatory to those having a general knowledge of the literature. A list of works quoted has, however, been added. In the index the references to the genera are by pages, those of the species by numbers.

Species with an asterisk (*) preceding the serial number are not represented in the collections of the United States National Museum, and it is hoped that persons receiving this Bulletin will reciprocate by sending some of these missing species.

Finally, I would express my obligation to Mr. A. N. Caudell and to Miss Wellesca Pollock, who have kindly assisted me in the work of preparation.

HARRISON G. DYAR.

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A LIST OF NORTH AMERICAN LEPIDOPTERA AND KEY TO THE LITERATURE OF THIS ORDER OF INSECTS.

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Order LEPIDOPTERA.

Superfamily PAPILIONOIDEA.

Family PARNASSIIDAE.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., 1898, pp. 72–73.)

PARNASSIUS Latreille.

LATREILLE, Somm. Buff., xiv, 110, 1805; SCUDDER, Proc. Am. Ac. Arts & Sci., x, 241, 1875.

1. **clodius** MÉNÉTRIES, Cat. Lép. Pét., i, 73, 1855; SKINNER, C. no. 438. — Mts. Pac. States.
   syn. *baldur* EDWARDS, *clarius* BOISDUVAL.
   a. **ménétriesii** HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 164, 1878.
   b. **altaurus** DYAR (Spots yellow instead of red). — Wyo.

2. **smintheus** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., pl. 4, 1847; SKINNER, C. no. 439. — Mts. Pac. States, Rocky Mts.
   syn. *sayii* EDWARDS.
   a. **behrii** EDWARDS, Trans. Am. Ent. Soc., iii, 10, 1870.
   b. **hermodur** HY. EDWARDS, Pap., i, 4, 1884.
   c. **nanus** NEUMOEGEN, Ent. Amer., vi, 61, 1890.
   d. **sedakovii** MÉNÉTRIES, Cat. Lép. Pét., i, 71, 1855.

*3. **nomion** FISCHER, Ent. Russ., ii. 242, 1823; SKINNER, C. no. 440. — Alaska.

4. **eversmanni** MÉNÉTRIES, Cat. Lép. Pét., i, 73, 1855; SKINNER, C. no. 441. — Alaska, Siberia.

syn. *rosnesenski* MÉNÉTRIES.

a. **thor** HY. EDWARDS, Pap., i, 4, 1881; SKINNER, C. no. 441.

Family PAPILIONIDAE.

(C. = SKINNER, Syn. Cat. No. Am. Rhop., 1898, pp. 73–78.)

IPHIDICLES Hübner.

HÜBNER, Verz. bek. Schmett., 82, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 197, 1875.

5. **ajax** LINNÆUS, Syst. Nat., 1, 750, 1758; SKINNER, C. no. 442. — Atl. States.

syn. *walshii* EDWARDS, *abbotii* EDWARDS.

a. **telamonides** FELDER, Reise Novara, Lep., i, 60, 1865; SKINNER, C. no. 442.

b. **marcellus** BOISDUVAL & LE CONTE, Lép. Am. Sept., pl. 2, 1833.

*6. **sinon** FABRICIUS, Syst. Ent., 452, 1775; SKINNER, C. no. 443. — Fla., Antilles.

PAPILIO Linnæus.

LINNÆUS, Syst. Nat., i, 76, 1758; SCUDDER, Proc. Am. Ac. Arts & Sci., x, 238, 1875.

7. **pilumnus** BOISDUVAL, Spec. Gén., i, 340, 1836; SKINNER, C. no. 461. — Ariz., Mex.

8. **daunus** BOISDUVAL, Spec. Gén., i, 342, 1836; SKINNER, C. no. 460. — Rocky Mts.

9. **eurymedon** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 280, 1852; SKINNER, C. no. 458. — Pac. States,

a. **albanus** FELDER, Reise Novara, Lep., i, 93, 1865. — Col.

10. **rutulus** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 279, 1852; SKINNER, C. no. 459. — Pac. States.

a. **arizonensis** EDWARDS, Pap., iii, 4, 1883. — Rocky

b. **ammoni** BEHRENS, Can. Ent., xix, 199, 1887. — Mts.

11. **glaucus** LINNÆUS, Mus. Ulr., 190, 1764; SKINNER, C. no. 457. — Atl. States.

a. **turnus** LINNÆUS, Mant. Plant., v, 36, 1771. — Can., Alaska.

syn. *alcidamus* CRAMER, *antilochus* LINNÆUS, *fletcheri* KEMP, Ent. News, xi, 481, 1900.

b. **australis** MAYNARD, Man. Butt., app., 215, 1891.

12. **palamedes** DRURY, Ill. Exot. Ent., i, 19, 1773; SKINNER, C. no. 456. — So. Atl. States.
    syn. *calchas* FABRICIUS.

13. **troilus** LINNÆUS, Mus. Ulr., 187, 1764; SKINNER, C. no. 455. — Atl. States, N.-W. Terr.
    syn. *ilioneus* SMITH & ABBOT.
    a. **texanus** EHRMAN, Can. Ent., xxxii, 348, 1900.
    b. **radiatus** STRECKER, Lep. Rhop. Het., suppl., 3, 17. 1900.

14. **thoas** LINNÆUS, Mant. Plant., 536, 1777; SKINNER, C. no. 462. — Atl. States, Ariz., Mex.
    syn. *cresphontes* CRAMER, *oxilus* HÜBNER.

*15. **cresphontinus** MARTYN, Psyche, iii, f. 8, 1797; SKINNER, C. no. 463. — Fla., Antilles, So. Am.
    syn. *aristodemus* ESPER, *temenes* GODART, *daphnis* GRAY.

16. **machaon** LINNÆUS, Faun. Suec., 267, 1761; KIRBY, Cat. Diurn. Lep., 565. 1871. — Eur., Alaska, No. Pac. States.
    a. **aliaska** SCUDDER, Proc. Bost. Soc. Nat. Hist., xii, 45, 1869; SKINNER, C. no. 447.

17. **bairdii** EDWARDS, Proc. Ent. Soc. Phil., ii, 200. 1869; SKINNER, C. no. 448. — Pac. States, Rocky Mts.
    syn. *utahensis* STRECKER.
    a. **oregonia** EDWARDS, Butt. N. A., ii, pl. 7, 1880.
    b. **brucei** EDWARDS, Can. Ent., xxvii, 11, 1895.
    c. **hollandii** EDWARDS, Can. Ent., xxv, 253, 1893.

18. **zolicaon** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x. 281, 1852; SKINNER, C. no. 449. — Pac. States, Rocky Mts.
    syn. *zelicayn* LUCAS, *californica* MÉNÉTRIES.

19. **americus** KOLLAR, Denksch. Akad. Wiss. Wien., Math., i, 354, 1850; SKINNER, C. no. 450. — Ariz., Mex.
    syn. *sadalus* LUCAS.

20. **indra** REAKIRT, Proc. Ent. Soc. Phil., vi, 125, 1866; SKINNER, C. no. 452. — Cal., Rocky Mts.
    syn. *pergamus* HY. EDWARDS.
    a. **nitra** EDWARDS, Pap., iii, 162, 1883; SKINNER, C. no. 451.

21. **brevicauda** SAUNDERS, Packard's Guide, 245, 1869; SKINNER, C. no. 453. — N.-E. Coast.
    syn. *anticostiensis* STRECKER.

22. **polyxenes** FABRICIUS, Syst. Ent., 444, 1775; SKINNER, C. no. 454. — U. S.

syn. *asterius* CRAMER.

a. **calverleyii** GROTE, Proc. Ent. Soc. Phil., ii, 441, 1864.

b. **amplicata** MÉNÉTRIES, Cat. Lép. Pét., ii, 99, 1857.

c. **alunata** SKINNER & AARON, Can. Ent., xxi, 127, 1889.

d. **semialba** EHRMAN, Can. Ent., xxxii, 348, 1900.

e. **curvifascia** SKINNER, Ent. News, xiii, 183, 1902.

LAERTIAS Hübner.

HÜBNER, Verz. bek. Schmett., 84, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 201, 1875.

23. **philenor** LINNÆUS, Mant. Plant., 535, 1771; SKINNER, C. no. 444. — U. S.

syn. *astinous* DRURY.

a. **obsoleta** EHRMAN, Can. Ent., xxxii, 348, 1900.

b. **wasmuthi** WEEKS, Jn. N. Y. Ent. Soc., ix, 82, 1901.

ITHOBALUS Hübner.

HÜBNER, Verz. bek. Schmett., 88, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 198, 1875.

24. **acauda** OBERTHUR, Études d'Ent., iv, 98, 1880; SKINNER, C. no. 445. — New Mex., Mex.

syn. *nezahualcoyotl* STRECKER, *corbis* GODMAN & SALVIN, *orsua* GODMAN & SALVIN.

25. **polydamas** LINNÆUS, Mus. Ulr., 192, 1769; SKINNER, C. no. 446. — Fla., Antilles.

Family PIERIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., 1898, pp. 60–72.)

ARCHONIAS Hübner.

HÜBNER, Zutr. exot. Schmett., f. 461, 1825; KIRBY, Cat. Diurn. Lep., 429, 1872.

*26. **lyceas** GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 123, 1889; BARNES, Ent. News, x, 331, 1900. — Ariz., Mex.

LEPTALIS Dalman.

DALMAN, Anal. Ent., 40, 1823; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 204, 1875.

27. **melite** LINNÆUS, Syst. Nat., 775, 1767; SKINNER, C. no. 376. — Mex., New Mex.

NEOPHASIA Behr.

BEHR, Trans. Am. Ent. Soc., ii, 303, 1869; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 226, 1875.

28. **menapia** FELDER, Wien. ent. Mon., iii, 271, 1859; SKINNER, C. no. 377. — Pac. States, Col.

syn. *tau* SCUDDER, *ninonia* BOISDUVAL, *suffusa* STRETCH.

29. **terlooii** BEHR, Trans. Am. Ent. Soc., ii, 304, 1869. — Ariz., Mex.

syn. *epyaxa* STRECKER, Lep. Rhop. Het., suppl., 38, 1900; SKINNER, Ent. News, xi, 533, 1900.

a. **princetonia** POLING, Can. Ent., xxxii, 358, 1900.

TACHYRIS Wallengren.

WALLENGREN, Trans. Ent. Soc. Lond., (3), iv, 361, 1867; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 274, 1875.

30. **margarita** HÜBNER, Zutr. exot. Schmett., ii, pl. 120, 1830; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 155, 1887. — Fla., Tex., So. Am.

syn. *molpodia* HÜBNER, *ilaire* GODART, *mysia* GODART, *poeyi* BUTLER.

a. **neumoegenii** SKINNER, Ent. News, v, 110, 1894; C. no. 379.

31. **amaryllis** FABRICIUS, Ent. Syst., (3), i, 189, 1797; SKINNER, C. no. 378. — Tex., Mex.

syn. *josephina* GODART, GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 135, 1887.

PONTIA Fabricius.

FABRICIUS, Ill. Mag., vi, 283, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 255, 1875.

32. **monuste** LINNÆUS, Mus. Ulr., 237, 1764; SKINNER, C. no. 380. — So. States, So. Am.

syn. *eleones* BOISDUVAL & LE CONTE.

a. **phileta** FABRICIUS, Syst. Ent., 471, 1775.

33. **beckeri** EDWARDS, Butt. No. Am., i, 30, 1871; SKINNER, C. no. 381. — Pac. States, Col.

34. **sisymbri** BOISDUVAL, An. Soc. Ent. Fr., (2), x, 284, 1854; SKINNER, C. no. 382. — Col., Pac. States.

35. **nelsoni** EDWARDS, Butt. No. Am., ii, pl. 1, Pieris, 1883; SKINNER, C. no. 383. — Alaska.

36. **occidentalis** REAKIRT, Proc. Ent. Soc. Phil., vi, 133, 1866; SKINNER, C. no. 384; COCKERELL, Ent. News, xii, 18, 1901. — Rocky Mts. to Pac.

a. **calyce** EDWARDS, Trans. Am. Ent. Soc., iii, 189, 1870.

37. **protodice** Boisduval & Le Conte, Lép. Am. Sep., 45, 1833; Skinner, C. no. 385. — U. S.

a. **vernalis** Edwards, Proc. Ent. Soc. Phil., ii, 501, 1864.

38. **napi** Linnæus, Faun. Suec., 271, 1766; Skinner, C. no. 386. — No. U. S., Cal., Eur.

a. **bryoniæ** Ochsenheimer, Eur. Schmett., i, 151, 1808.

b. **hulda** Edwards, Trans. Am. Ent. Soc., ii, 370, 1869.

c. **venosa** Scudder, Proc. Bost. Soc. Nat. Hist., viii, 182, 1861.

syn. *flava* Edwards.

d. **oleracea** Harris, N. E. Farm., viii, 402, 1829.

e. **borealis** Grote, Bull. Buff. Soc., i, 185, 1873.

f. **frigida** Scudder, Proc. Bost. Soc. Nat. Hist., viii, 181, 1861.

g. **virginiensis** Edwards, Trans. Am. Ent. Soc., iii, 13, 1870.

h. **acadica** Edwards, Pap., i, 87, 1881.

i. **pallida** Scudder, Proc. Bost. Soc. Nat. Hist., viii, 183, 1861.

syn. *nasturtii* Boisduval.

k. **castoria** Reakirt, Proc. Acad. Nat. Sci. Phil., 31, 1866.

syn. *resedæ* Boisduval.

l. **cruciferarum** Boisduval, Spec. Gén., i, 519, 1839.

syn. *casta* Kirby, *æstiva* Harris.

*39. **ochsenheimeri** Staudinger, Stett. ent. Zeit., 199, 1886; Skinner, C. no. 387. — Asia, Alaska.

40. **rapæ** Linnæus, Syst. Nat., 468, 1758; Skinner, C. no. 388. — Eur., U. S.

syn. *marginalis* Scudder, *yreka* Reakirt.

a. **novangliae** Scudder, Can. ent., iv, 79, 1872.

b. **immaculata** Skinner & Aaron, Can. Ent., xxi, 128, 1889.

c. **manni** Mayer, Stett. ent. Zeit., 151, 1851.

NATHALIS Boisduval.

Boisduval, Spec. Gén., i, 587, 1836; Scudder, Proc. Am. Acad. Arts & Sci., x, 224, 1875.

41. **iole** Boisduval, Spec. Gén., i, 589, 1836; Skinner, C. no. 389. — So. U. S., Mex.

syn. *irene* Fitch, *felicia* Poey, *luteolus* Reakirt.

SYNCHLOE Hübner.

HÜBNER, Verz. bek. Schmett., 94, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 273, 1875; *Euchloe* HÜBNER, Verz. bek. Schmett., 94, 1816; *Midea* HERRICH-SCHAEFFER, Corr.-Blatt zool.-min. Ver. Reg., xxi, 105, 1867.

42. **creusa** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., pl. 7, 1847; SKINNER, C. no. 391. — So. Cal.

43. **olympia** EDWARDS, Trans. Am. Ent. Soc., iii, 266, 1871; SKINNER, C. no. 392. — Ariz.

a. **rosa** EDWARDS, Pap., ii, 45, 1882.

44. **ausonides** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 286, 1852; SKINNER, C. no. 393. — Pac. States, Col.

a. **hyantis** EDWARDS, Trans. Am. Ent. Soc., iii, 205, 1871.

b. **coloradensis** HY. EDWARDS, Pap., i, 50, 1881.

45. **lotta** BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., x, 243, 1898. — Rocky Mts.

46. **lanceolata** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 284, 1852; SKINNER, C. no. 390. — Pac. States, Rocky Mts.

syn. *edwardsii* BEHR.

47. **cethura** FELDER, Reise Novara, Lep., ii, 182, 1865; SKINNER, C. no. 394. — Pac. States.

syn. *cooperi* BEHR, *angelina* BOISDUVAL.

a. **morrisoni** EDWARDS, Pap., i, 143, 1881.

48. **genutia** FABRICIUS, Syst. Ent., iii, 193, 1793; SKINNER, C. no. 397. — So. Atl. States.

syn. *midea* HÜBNER.

49. **sara** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 385, 1852; SKINNER, C. no. 395. — Pac. States, Rocky Mts.

syn. *thoosa* SCUDDER, *flora* WRIGHT.

a. **reakirtii** EDWARDS, Trans. Am. Ent. Soc., ii, 369, 1869.

syn. *stella* EDWARDS.

b. **julia** EDWARDS, Trans. Am. Ent. Soc., iv, 61, 1872.

*50. **pima** EDWARDS, Can. Ent., xx, 158, 1888; SKINNER, C. no. 396. — Ariz.

CALLIDRYAS Boisduval & Le Conte.

BOISDUVAL & LE CONTE, Lép. Am. Sept., 73, 1829; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 131, 1875.

51. **philea** LINNÆUS, Syst. Nat., 764, 1776; SKINNER, C. no. 401. — So. Miss. Val., So. Am.

syn. *aricye* CRAMER, *melanippe* CRAMER.

52. **eubule** LINNÆUS, Syst. Nat., 743, 1766; SKINNER, C. no. 398. — So. States. Cal., So. Am.

syn. *sennae* LINNAEUS, *marcellina* CRAMER, *drya* FABRICIUS, *gamma* REAKIRT.

APHRISSA Butler.

BUTLER, Lep. Exot., 155, 1873; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 116, 1875.

53. **statira** CRAMER, Pap. Exot., iii, pl. 120, f. C., 1779; SKINNER, C. no. 399. — Fla., So. Am.

syn. *nelcis* BOISDUVAL, *boisduvalii* FELDER, *jada* BUTLER, *floridensis* NEUMOEGEN, *fabia* FABRICIUS, *evadne* GODART, *alcmeone* CRAMER.

PHŒBIS Hübner.

HÜBNER, Verz. bek. Schmett., 98, 1816; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 142, 1887; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 249, 1875.

54. **argante** FABRICIUS, Syst. Ent., 470, 1775; SKINNER, C. no. 403. — Fla., Tex., So. Am.

syn. *cipris* CRAMER, *hersilia* CRAMER, *minuscula* BUTLER, *pallideflava* GOEZE, *xanthia* SEPP, *larra* FABRICIUS, *volcania* PERRY, *cnidia* GODART.

55. **agarithe** BOISDUVAL, Spec. Gén., i, 625, 1836; SKINNER, C. no. 402. — So. Miss. Val., So. Am.

syn. *maxima* NEUMOEGEN.

GONEPTERYX Leach.

LEACH, Edinb. Enc., ix, 128, 1825; KIRBY, Cat. Diurn. Lep., 487, 1872.

56. **clorinde** GODART, Enc. Méth., ix, suppl., 813, 1823; KIRBY, Cat. Diurn. Lep., 487, 1872; BARNES, Ent. News, x, 131, 1900. — Tex., So. Am.

syn. *swainsonia* SWAINSON, *merula* HÜBNER, *godarti* PERTY.

KRICOGONIA Reakirt.

REAKIRT, Proc. Ent. Soc. Phil., ii, 355, 1863; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 201, 1875.

57. **lyside** GODART, Enc. Méth., ix, 98, 1819; SKINNER, C. no. 404. — Tex., Mex.

syn. *terissa* LUCAS.

a. **lanice** LINTNER, Pap., iv, 138, 1884; SKINNER, C. no. 406.

58. **fantasia** BUTLER, Trans. Ent. Soc. Lond., 170, 1871; SKINNER, C. no. 405. — Tex., Mex.

59. **unicolor** GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 151, 1889; SKINNER, C. no. 407. — Tex., Mex.

ZERENE Hübner.

HÜBNER, Verz. bek. Schmett., 97, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 291, 1875.

60. **eurydice** BOISDUVAL, Ann. Soc. Ent. Fr., iii, 32, 1855; SKINNER, C. no. 408. — Ariz., Cal., Oreg.

syn. *wosnesenski* MÉNÉTRIES, *lorquini* BOISDUVAL, *helena* REAKIRT.

a. **amorphæ** HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 169, 1876; SKINNER, C. no. 408.

b. **bernardino** EDWARDS, Butt., iii, pl. 1, 1887.

61. **cæsonia** STOLL, Suppl. Cramer, Pap. Exot., pl. 41, fig. 2, 1790; SKINNER, C. no. 409. — So. U. S., So. Am.

syn. *carolinana* PETIVER.

a. **rosa** MCNEILL, Can. Ent., xxi, 45, 1889.

EURYMUS Swainson.

SWAINSON, Horsf. Cat. Lep. E. I. Mus., 129, 1829; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 175, 1875.

62. **meadii** EDWARDS, Trans. Am. Ent. Soc., iii, 267, 1871; SKINNER, C. no. 410. — Rocky Mts.

a. **elis** STRECKER, Proc. Acad. Nat. Sci. Phil., 24, 1885; SKINNER, C. no. 411.

63. **hecla** LEFÈBRE, Ann. Soc. Ent. Fr., v, 383, 1836; SKINNER, C. no. 412. — Arctic Am., Eur.

a. **glacialis** MCLACHLAN, Jn. Linn. Soc. Lond., xiv, 108, 1878.

b. **hela** STRECKER, Bull. Brook. Ent. Soc., iii, 33, 1880.

c. **pallida** SKINNER & MENGEL, Proc. Acad. Nat. Sci. Phil., 156, 1892.

*64. **boothii** CURTIS, Ross Nar. Second Voy. N.-W. Pass., app., 62, 1835; SKINNER, C. no. 413. — Arctic Am.

a. **chione** CURTIS, Ross Nar. Second Voy., app., 62, 1835.

65. **eurytheme** BOISDUVAL, Ann. Soc. Ent. Fr., 286, 1852; SKINNER, C. no. 414. — Rocky Mts., Pac. States.

syn. *amphidusa* BOISDUVAL, *californiana* MÉNÉTRIES, *keewaydin* EDWARDS, *intermedia* COCKERELL, *autumnalis* COCKERELL.

a. **ariadne** EDWARDS, Trans. Am. Ent. Soc., iii, 12, 1870.

b. **eriphyle** EDWARDS, Trans. Am. Ent. Soc., v, 202, 1876.

syn. *hagenii* EDWARDS.

c. **fumosa** STRECKER, Lep. Rhop. Het., suppl., 3, 19, 1900.

66. **philodice** GODART, Enc. Méth., ix, 100, 1819; SKINNER, C. no. 414. — Atl. States.

syn. *palæno* CRAMER, *europome* STEPHENS, *pallidice* SCUDDER, *virida* STRECKER, *miscidice* SCUDDER, *nigrina* STRECKER, Lep. Rhop. Het., suppl., 3, 19, 1900, *albinic* SKINNER, *melanic* SKINNER, Syn. Cat. N. A. Rhop., 68, 1898.

a. **anthyale** HÜBNER, Zutr. exot. Schmett., f. 307, 1823.

b. **nigridice** SCUDDER, Butt., ii, 1114, 1889.

c. **luteitincta** WOLCOTT, Can. Ent., xxv, 104, 1893.

67. **hartfordii** HY. EDWARDS, Pac. Coast Lep., No. 24, 9, 1877; SKINNER, C. no. 416. — Cal.

syn. *barbara* HY. EDWARDS.

68. **occidentalis** SCUDDER, Proc. Bost. Soc. Nat. Hist., ix, 109, 1862; SKINNER, C. no. 417. — Cal., B. C., Utah.

syn. *chrysomelas* HY. EDWARDS.

69. **christina** EDWARDS, Proc. Ent. Soc. Phil., ii, 79, 1863; SKINNER, C. no. 418. — Rocky Mts., Brit. Am.

syn. *astræa* EDWARDS.

a. **pallida** LYMAN, Can. Ent., xix, 6, 1884.

70. **alexandra** EDWARDS, Proc. Ent. Soc. Phil., ii, 14, 1863; SKINNER, C. no. 419. — Col., No. Pac. States.

syn. *alba* STRECKER, *pallida* COCKERELL.

a. **edwardsii** BEHR in EDWARDS, Butt. N. A., i, 55, 1870.

b. **emilia** EDWARDS, Trans. Am. Ent. Soc., iii, 12, 1870.

71. **interior** SCUDDER, Proc. Bost. Soc. Nat. Hist., ix, 108, 1862; SKINNER, C. no. 420. — No. Atl. States.

syn. *laurentina* SCUDDER.

72. **scudderi** REAKIRT, Proc. Ent. Soc. Phil., iv, 217, 1865; SKINNER, C. no. 421. — No. Rocky Mts., No.

a. **flavotincta** COCKERELL, Psyche, ix, 186, 1901. — Pac. States.

73. **pelidne** BOISDUVAL, Icones, pl. 8, 1832; SKINNER, C. no. 422. — Rocky Mts.

syn. *labradoriensis* SCUDDER.

a. **skinneri** BARNES, Can. Ent., xxix, 39, 1897.

b. **gigantea** STRECKER, Lep. Rhop. Het., suppl., 19, 1900.

74. **palæno** LINNÆUS, Syst. Nat., 764, 1767; SKINNER, C. no. 423. — Eur., Alaska, Labrador.

syn. *europomene* ESPER, *philonomene* HÜBNER, *lapponica* STAUDINGER, *chippewa* EDWARDS, *helena* EDWARDS.

a. **werdandi** HERRICH-SCHAEFFER, Schm. Eur., f, 403, 1848.

75. **nastes** BOISDUVAL, Icones, pl. 8, 1832; SKINNER, C. no. 424. — Arctic Am., Eur.

a. **rossii** GUENÉE, Ann. Soc. Ent. Fr., 199, 1864.

b. **streckeri** GRUMM-GRSHIMAÏLO, Hor. Ent. Soc. Ross., xxix, 290, 1895.

*76. **moina** STRECKER, Bull. Brook. Ent. Soc., iii, 34, 1880; SKINNER, C. no. 425. — Hudson Bay.

77. **behrii** EDWARDS, Proc. Ent. Soc. Phil., vi, 201, 1866; SKINNER, C. no. 426. — Mts. Cal.

PYRISITA Butler.

BUTLER, Cist. Ent., i, 35, 1870; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 261, 1875.

79. **gundlachia** POEY, Hist. Nat. Cuba, i, 246, 1851; SKINNER, C. no. 427. — Tex., Ariz., Mex.

80. **proterpia** FABRICIUS, Syst. Ent., 478, 1775; SKINNER, C. no. 428. — Tex., Ariz., Mex.

81. **mexicana** BOISDUVAL, Spec. Gén., i, 653, 1836; SKINNER, C. no. 430. — Miss. Val., Mex.

syn. *damaris* FELDER, *depuiseti* BOISDUVAL.

*82. **boisduvaliana** FELDER, Reise Novara, ii, 200, 1865. — Ariz., Mex.

syn. *damaris* SKINNER (not FELDER), C. no. 431; *ingrata* FELDER, *gratiosa* REAKIRT.

EUREMA Hübner.

HÜBNER, Verz. bek. Schmett., 96, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 173, 1875.

83. **nicippe** CRAMER, Pap. Exot., iii, 210, 1782; SKINNER, C. no. 429. — So. Atl. States.

a. **flava** STRECKER, Cat. Lep., 84, 1878. — Ariz., Cal.

*84. **westwoodi** BOISDUVAL, Spec. Gén., i, 666, 1836; SKINNER, C. no. 432. — Tex., Mex.

syn. *dina* HÜBNER, *calceolaria* BUTLER & DRUCE.

85. **euterpe** MÉNÉTRIES, Bull. Mosc., 299, 1832; GODMAN & SALVIN, Biol. Cen. Am., Lep. Rhop., ii, 102, 1889. — So. Atl. States, Mex.

syn. *lisa* BOISDUVAL, *clappii* MAYNARD.

a. **alba** STRECKER, Cat. Lep., 85, 1878; SKINNER, C. no. 433.

*86. **linda** EDWARDS, Pap., iv, 53, 1884; SKINNER, C. no. 434. — Mex.

87. **delia** CRAMER, Pap. Exot., pl. 273, f. A, 1782; SKINNER, C. no. 435. — Gulf States.

syn. *demoditas* HÜBNER, *daria* GODART.

88. **jucunda** BOISDUVAL & LE CONTE, Lép Am. Sept., 52, 1833; SKINNER, C. no. 436. — Gulf States, Mex.
syn. *ebriola* POEY, *albina* POEY.

89. **gnatheme** BOISDUVAL, Spec. Gén., i, 680, 1836; KIRBY, Cat. Diurn. Lep., 445, 1872. — Fla., Antilles.
a. **blakei** MAYNARD, Man. Butt., app., 216, 1891.

Family NYMPHALIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., 1898, pp. 3–33.)

COLÆNIS Hübner.

HÜBNER, Verz. bek. Schmett., 32, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 146, 1875.

90. **julia** FABRICIUS, Syst. Ent., 509, 1775; SKINNER, C. no. 7. — Tex., Fla., Mex.
a. **delila** FABRICIUS, Syst. Ent., 510, 1775; SKINNER, C. no. 8.
syn. *cillene* CRAMER.

AGRAULIS Boisduval & LeConte.

BOISDUVAL & LE CONTE, Lép. Am. Sept., 142, 1833; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 105, 1875.

91. **vanillæ** LINNÆUS, Syst. Nat., 482, 1758; SKINNER, C. no. 9. — So. Atl. States, Cal., Mex.
syn. *passiflorae* FABRICIUS.

EUPTOIETA Doubleday.

DOUBLEDAY, Gen. Diurn. Lep., 168, 1848; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 172, 1875.

92. **claudia** CRAMER, Pap. Exot., i, pl. 69, f. E, 1779; SKINNER, C. no. 10. — Atl. States, Col., Cal.
syn. *columbina* GODART, *daunus* HERBST.

93. **hegesia** CRAMER, Pap. Exot., iii, pl. 209, f. E, 1782; SKINNER, C. no. 11. — Cal., Tex., So. Am.
syn. *hortensis* BLANCHARD.

SEMNOPSYCHE Scudder.

SCUDDER, Bull. Buff. Soc., ii, 258, 1875; Butt. E. U. S., iii, 1798, 1889.

94. **diana** CRAMER, Pap. Exot., pl. 98, f. D, 1779; SKINNER, C. no. 12. — So. Atl. States.

SPEYERIA Scudder.

SCUDDER, Syst. Rev., 23, 1872; Proc. Am. Acad. Arts & Sci., x, 269, 1875.

95. **idalia** DRURY, Ill. Exot. Ent., i, pl. 13, 1775; SKINNER, C. no. 13. — Atl. States.
syn. *astarte* FISCHER, *ashtaroth* FISCHER.

ARGYNNIS Fabricius.

FABRICIUS, Ill. Mag., vi, 263, 1807; SCUDDER, Proc. Am Acad. Arts & Sci., x, 118, 1875.

96. **nokomis** EDWARDS, Proc. Acad. Nat. Sci. Phil., 221, 1862; SKINNER, C. no. 14. — Ariz., Utah.

97. **nitocris** EDWARDS, Trans. Am. Ent. Soc., v, 15, 1874; SKINNER, C. no. 15. — Ariz., Nev.
a. **cærulescens** HOLLAND, Ent. News, xi, 332, 1900.
b. **nigrocærulea** COCKERELL, Ent. News, xi, 622, 1900.

98. **leto** BEHR, Proc. Cal. Acad. Sci., ii, 173, 1862; SKINNER, C no. 16. — Pac. States, Col.
syn. *charlottii* BARNES, SKINNER, C. no. 18

99. **cybele** FABRICIUS, Syst. Ent., 516, 1775; SKINNER, C. no. 17. — Atl. States.
syn. *daphnis* CRAMER, *baal* STRECKER.
a. **carpenterii** EDWARDS, Trans. Am. Ent. Soc., v, 204, 1876.

100. **aphrodite** FABRICIUS, Mant. Ins., ii, 62, 1767; SKINNER, C. no. 19. — Atl. States, Rocky Mts
syn. *daphnis* MARTYN, *cypris* EDWARDS, *nausicaa* EDWARDS.
a. **alcestis** EDWARDS, Trans. Am. Ent. Soc., v, 289, 1876.

101. **lais** EDWARDS, Can. Ent., xv, 209, 1883; SKINNER, C. no. 21. — Brit. Am.

102. **atlantis** EDWARDS, Proc. Nat. Acad. Sci. Phil., 54, 1862; SKINNER, C. no. 22. — Atl. States.

103. **hippolyta** EDWARDS, Can. Ent., xi, 81, 1879; SKINNER, C no. 28. — Oreg., Cal.
a. **oweni** EDWARDS, Can. Ent., xxiv, 105, 1892; SKINNER, C. no. 23.

*104. **cornelia** EDWARDS, Can. Ent., xxiv, 106, 1892; SKINNER, C. no. 24. — Col.

105. **electa** EDWARDS, Field & Forest, iii, 143, 1878; SKINNER, C. no. 25. — Rocky Mts.

106. **columbia** Hy. Edwards, Pacific Coast Lep., no. 26, 1877; Skinner, C. no. 26. — Brit. Col.

107. **hesperis** Edwards, Proc. Ent. Soc. Phil., ii, 502, 1864; Skinner, C. no. 27. — Rocky Mts.

108. **bremnerii** Edwards, Trans. Am. Ent. Soc., iv, 63, 1872; Skinner, C. no. 29. — Pac. States.

109. **zerene** Boisduval, Ann. Soc. Ent. Fr., (2), x, 303, 1852; Skinner, C. no. 30. — Cal., Nev
syn. *hydaspe* Boisduval.

110. **monticola** Behr, Proc. Cal. Acad. Sci., ii, 175, 1862; Skinner, C. no. 31. — Pac. States.
a. **purpurascens** Hy. Edwards, Proc. Cal. Acad. Sci., vii, 170, 1876.

111. **rhodope** Edwards, Trans. Am. Ent. Soc., v, 13, 1874; Skinner, C. no. 32. — Brit. Am.

112. **behrensii** Edwards, Trans. Am. Ent. Soc., ii, 370, 1869; Skinner, C. no. 33. — Cal.

113. **halcyone** Edwards, Butt., i, 83, 1869; Skinner, C. no. 34. — Rocky Mts.

114. **platina** Skinner, Can. Ent., xxix, 154, 1897; C. no. 36. — Rocky Mts.

115. **coronis** Behr, Proc. Cal. Acad. Sci., ii, 173, 1862; Skinner, C. no. 37. — Cal., Brit. Am.
syn. *juba* Boisduval.

116. **callippe** Boisduval, Ann. Soc. Ent. Fr., (2), x, 302, 1852; Skinner, C. no. 39. — Cal.

117. **snyderi** Skinner, Can. Ent., xxix, 154, 1897; C. no. 38. — Utah, Idaho.

118. **nevadensis** Edwards, Trans. Am. Ent. Soc., iii, 14, 1870; Skinner, C. no. 40. — Rocky Mts.
a. **meadii** Edwards, Trans. Am. Ent. Soc., v, 69, 1872.

119. **edwardsii** Reakirt, Proc. Ent. Soc. Phil., vi, 137, 1866; Skinner, C. no. 41. — Rocky Mts.
syn. *aglaia* Edwards.

*120. **chitone** Edwards, Can. Ent., xi, 72, 1879; Skinner, C. no. 35. — Rocky Mts.

121. **liliana** Hy. Edwards, Proc. Cal. Acad. Sci., vii, 170, 1876; Skinner, C. no. 42. — Cal., Utah.
a. **baroni** Edwards, Trans. Am. Ent. Soc., ix, 3, 1881.

122. **rupestris** BEHR, Proc. Cal. Acad. Sci., ii, 175 1862; SKINNER, C. no. 43. — Cal., Utah.

syn. *irene* EDWARDS.

a. **irene** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 59, 1869.

*123. **laura** EDWARDS, Can. Ent., xi, 49, 1879; SKINNER, C. no. 49. — Cal., Nev.

124. **semiramis** EDWARDS, Can. Ent., xviii, 61, 1886; SKINNER, C. no. 46. — Cal.

*125. **inornata** EDWARDS, Trans. Am. Ent. Soc., iv, 64, 1872; SKINNER, C. no. 47. — Cal., Nev.

*126. **atossa** EDWARDS, Butt. N. A., iii, pl. 8, Arg., 1890; SKINNER, C. no. 48. — Cal.

127. **adiaste** BEHR, Proc. Cal. Acad. Sci., ii, 175, 1862; SKINNER, C. no. 49. — Cal.

syn. *adiante* BOISDUVAL.

128. **eurynome** EDWARDS, Trans. Am. Ent. Soc., iv, 66, 1872; SKINNER, C. no. 55. — Rocky Mts., Cal.

syn. *macaria* EDWARDS; SKINNER, C. no. 45; SNYDER, Occ. Mem. Chic. Ent. Soc., i, 11, 1900.

a. **erinna** EDWARDS, Can. Ent., xv, 33, 1883.

b. **bischoffi** EDWARDS, Trans. Am. Ent. Soc., iii, 189, 1870; SKINNER, C. no. 53.

c. **artonis** EDWARDS, Trans. Am. Ent. Soc., ix, 2, 1881; SKINNER, C. no. 50.

d. **clio** EDWARDS, Trans. Am. Ent. Soc., v, 106, 1874; SKINNER, C. no. 51.

syn. *opis* EDWARDS; SKINNER, C. no. 52.

e. **arge** STRECKER, Cat. Lep., 114, 1878; SKINNER, C. no. 54.

f. **cunninghami** OWEN, Ent. News, iv, 246, 1893.

129. **montivaga** BEHR, Proc. Cal. Acad. Sci., ii, 174, 1862; SKINNER, C. no. 56. — Cal., Nev.

130. **egleis** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 59, 1869; SKINNER, C. no. 57. — Cal., Nev.

syn. *mormonia* BOISDUVAL, *nenoquis* REAKIRT

BRENTHIS Hübner.

HÜBNER, Verz. bek. Schmett., 30, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 128, 1875.

131. **myrina** CRAMER, Pap. Exot., ii, pl. 189, f. B, 1779; SKINNER, C. no. 58. — No. U. S.

syn. *myrissa* GODART.

132. **pales** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien., 177, 1776; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 210, 1901. — Eur., Alaska.

a. **alaskensis** HOLLAND, Ent. News, xi, 383, 1900.

*133. **youngi** HOLLAND, Ent. News, xi, 283, 1900. — Alaska.

134. **triclaris** HÜBNER, Samml. ex. Schmett., ii, 1824; SKINNER, C. no. 59. — Arctic Am., Col.

syn. *ossianus* BOISDUVAL.

135. **helena** EDWARDS, Trans. Am. Ent. Soc., iii, 268, 1871; SKINNER, C. no. 60. — Rocky Mts.

136. **montinus** SCUDDER, Proc. Ess. Ins., iii, 166, 1862; SKINNER, C. no. 61. — N. H.

137. **chariclea** SCHNEIDER, Neu. Mag., v, 588, 1794; SKINNER, C. no. 62. — Arctic Am., Eur.

a. **arctica** ZETTERSTEDT, Ins. Lap., 899, 1828.

b. **obscurata** MCLACHLAN, Jn. Linn. Soc., xiv, 110, 1878.

syn. *butleri* EDWARDS.

c. **boisduvalii** DUPONCHEL, Lep. Fr., suppl., 1, pl. 20, f. 4, 1832; SKINNER, C. no. 64.

138. **freija** THUNBERG, Diss. Ent. Suec., ii, 34, 1791; SKINNER, C. no. 65. — Eur., Col.

syn. *freya* HERRICH-SCHAEFFER, *lapponica* ESPER.

a. **tarquinius** CURTIS, Ross Nar. Second Voy. N.-W. Pass., app., 68, 1835.

139. **polaris** BOISDUVAL, Ind. Méth., 15, 1829; SKINNER, C. no. 67. — Arctic Am.

140. **frigga** THUNBERG, Diss. Ent. Suec., ii, 33, 1791; SKINNER, C. no. 68. — Arctic Am.

a. **saga** KADEN, Stett. ent. Zeit., 350, 1861.

b. **improba** BUTLER, Ent. Mo. Mag., xiii, 206 1877; SKINNER, C. no. 66.

141. **bellona** FABRICIUS, Syst. Ent., 517, 1775; SKINNER, C. no. 69. — Atl. States.

syn. *myrina* MARTYN.

142. **epithore** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 58, 1869; SKINNER, C. no. 70. — Pac. States.

a. **kreimhild** STRECKER, Rept. Surv. Dept. Mo., RUFFNER, app., 1854, 1879.

*143. **alberta** EDWARDS, Can. Ent., xxii, 113, 1890; SKINNER, C. no. 71. — Alberta.

*144. **astarte** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., pl. 53, f. 5, 1848; SKINNER, C. no. 72. — Alberta.

syn. *victoria* EDWARDS.

APATURA Fabricius.

FABRICIUS, Ill. Mag., vi, 280, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 115, 1875.

145. **misippus** LINNÆUS, Mus. Ulr., 264, 1764; SKINNER, C. no. 160. — Fla., Africa, India, etc.
syn. *discippus* FABRICIUS.

EUPHYDRYAS Scudder.

SCUDDER, Syst. Rev., 27, 1872; Proc. Am. Acad. Arts & Sci., x, 172, 1875.

146. **phaeton** DRURY, Ill. Exot. Ent., i, pl. 21, 1767; SKINNER, C. no. 73. — Atl. States.
syn. *phætana* HÜBNER, *phætoneta* GODART, *phædon* HERRICH-SCHAEFFER, *superba* STRECKER, *phæthusa* HULST, *streckeri* ELLSWORTH, Ent. News, xiii, 104, 1902.

LEMONIAS Hübner.

HÜBNER, Tent., 1, 1806; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 203, 1875.

147. **cooperi** BEHR, Proc. Cal. Acad. Sci., iii, 90, 1863; SKINNER, C. no. 74. — Pac. States.
syn. *perdiccas* EDWARDS.

148. **chalcedon** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., i, 180, 1847; SKINNER, C. no. 75. — Pac. States.
a. **dwinellei** HY. EDWARDS, Pap., i, 51, 1881.
b. **fusimacula** BARNES, Can. Ent., xxxii, 42, 1900.
c. **mariana** BARNES, Can. Ent., xxxii, 42, 1900.

149. **macglashani** RIVERS, Proc. Cal. Acad. Sci., (2), i, 103, 1889; SKINNER, C. no. 76. — Cal.

150. **colon** EDWARDS, Pap., i, 45, 1881; SKINNER, C no. 77. — Wash., Oreg.

151. **anicia** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., i, 179, 1848; SKINNER, C. no. 78. — Rocky Mts., Pac. States.
a. **beani** SKINNER, Can. Ent., xxix, 155, 1897.
b. **brucei** EDWARDS, Can. Ent., xx, 81, 1888.

151. 1. **maria** SKINNER, Can. Ent., xxxi, 12, 1899. — Utah.

152. **nubigena** BEHR, Proc. Cal. Acad. Sci., iii, 91, 1863; SKINNER, C. no. 79. — Rocky Mts., Cal.
a. **wheeleri** HY. EDWARDS, Pap., i, 52, 1881.
syn. *capella* BARNES.

153. **gillettei** BARNES, Can. Ent., xxix, 40, 1897; SKINNER, C. no. 80. — Wyo.

154. **quino** BEHR, Proc. Cal. Acad. Sci., iii, 90, 1863; SKINNER, C. no. 81. — Cal.

*155. **augusta** EDWARDS, Can. Ent., xxii, 21, 1890; SKINNER, C. no. 82. — Cal.

156. **baroni** HY. EDWARDS, Pap., i, 52, 1881; SKINNER, C. no. 83. — Cal.

157. **rubicunda** HY. EDWARDS, Pap., i, 52, 1881; SKINNER, C. no. 84. — Cal.

158. **taylori** EDWARDS, Can. Ent., xx, 82, 1888; SKINNER, C. no. 85. — Brit. Col.

159. **editha** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 304, 1852; SKINNER, C. no. 86. — Cal.
syn. *anicia* SCUDDER.

*160. **helvia** SCUDDER, Proc. Bost. Soc. Nat. Hist., xii, 405, 1869; SKINNER, C. no. 87; HOLLAND, Ent. News, xi, 384, 1900. — Alaska.

161. **sterope** EDWARDS, Trans. Am. Ent. Soc., iii, 190, 1870; SKINNER, C. no. 88. — Oreg.

*162. **acastus** EDWARDS, Trans. Am. Ent. Soc., v, 16, 1874; SKINNER, C. no. 89. — Rocky Mts.

163. **neumoegeni** SKINNER, Ent. News, vi, 113, 1895; C. no. 90. — Utah.

164. **palla** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 305, 1852; SKINNER, C. no. 91. — Rocky Mts., Pac. States.

*165. **whitneyii** BEHR, Proc. Cal. Acad. Sci., iii, 88, 1863; SKINNER, C. no. 92. — Cal., Nev
syn. *pola* BOISDUVAL.

166. **hoffmanni** BEHR, Proc. Cal. Acad. Sci., iii, 89, 1863; SKINNER, C. no. 93. — Pac. States.
a. **helcita** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 55, 1869. — Rocky Mts.

167. **gabbii** BEHR, Proc. Cal. Acad. Sci., iii, 89, 1863; SKINNER, C. no. 94. — Cal., Utah, Ariz.
syn. *sonoræ* BOISDUVAL.

*168. **approximata** STRECKER, Lep. Rhop. Het., suppl. 3, 23, 1900. — Tex.

CINCLIDIA Hübner.

HÜBNER, Verz. bek. Schmett., 29, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 142, 1875.

169. **harrisii** SCUDDER, Proc. Ess. Ins., iii, 167, 1862; SKINNER, C. no. 95. — Atl. States.

170. **ulrica** EDWARDS, Can. Ent., ix, 189, 1877; SKINNER, C. no. 96 (as *clada* HEWITSON). — Tex.
syn. *imitata* STRECKER.

171. **dymas** EDWARDS, Can. Ent., ix, 190, 1877; SKINNER, C. no. 97. — Tex.
syn. *laranda* STRECKER.

172. **perse** EDWARDS, Pap., ii, 136, 1882; SKINNER, C. no. 98. — Ariz.

173. **chara** EDWARDS, Can. Ent., xv, 209, 1883; SKINNER, C. no. 98. — Ariz.

*174. **albiplaga** AARON, Pap., iv, 175, 1884; SKINNER, C. no. 100. — Tex.

THESSALIA Scudder.

SCUDDER, Bull. Buff. Soc., ii, 265, 1875.

175. **leanira** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 27, 1869; SKINNER, C. no. 101. — Pac. States.
a. **obsoleta** HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 171, 1876. — Rocky Mts.

176. **wrightii** EDWARDS, Can. Ent., xviii, 64, 1886; SKINNER, C. no. 102. — Cal.

177. **alma** STRECKER, Lep. Rhop. Het., 135, 1877; SKINNER, C. no. 103. — Utah, Ariz.

178. **theona** MÉNÉTRIES, Cat. Mus. Pét., i, 86, 1855. — Tex., Col.
syn. *fulvia* EDWARDS, Can. Ent., xi, 117, 1879; SKINNER, C. no. 104.

178. 1. **cyneas** GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., i, 191, 1882. — Mex., Ariz.

179. **thekla** EDWARDS, Trans. Am. Ent. Soc., iii, 191, 1870; SKINNER, C. no. 105. — Cal. to Tex.

180. **bollii** EDWARDS, Field & Forest, iii, 01, 1877; SKINNER, C. no. 106. — Tex., Ariz.

181. **definita** AARON, Pap., iv, 176, 1884; SKINNER, C. no. 107. — Tex.

SCHŒNIS Hübner.

HÜBNER, Verz. bek. Schmett., 28, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 266, 1875.

182. **minuta** EDWARDS, Proc. Acad. Nat. Sci. Phil., 161, 1861; SKINNER, C. no. 108. — Rocky Mts.

183. **arachne** EDWARDS, Trans. Am. Ent. Soc., ii, 372, 1869; SKINNER, C. no. 109. — Rocky Mts.

184. **nympha** EDWARDS, Pap., iv, 53, 1884; SKINNER, C. no. 110. — Ariz.

CHARIDRYAS Scudder.

SCUDDER, Syst. Rev., 26, 1872; Proc. Am. Acad. Arts & Sci., x, 139, 1875.

185. **nycteis** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., 181, 1847; SKINNER, C. no. 111. — Atl. States.
syn. *anone* SCUDDER, *harrisii* EDWARDS.
a. **drusius** EDWARDS, Pap., iv, 57, 1884.

186. **ismeria** BOISDUVAL & LE CONTE, Lép. Am. Sept., 168, 1833; SKINNER, C. no. 112. — Rocky Mts.
syn. *carlota* REAKIRT.

PHYCIODES Hübner.

HÜBNER, Verz. bek. Schmett., 29, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 249, 1875.

187. **vesta** EDWARDS, Trans. Am. Ent. Soc., ii, 371, 1869; SKINNER, C. no. 113. — Tex., Mex.
a. **boucardi** GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., i, 194, 1882.

188. **phaon** EDWARDS, Proc. Ent. Soc. Phil., ii, 505, 1864; SKINNER, C. no. 114. — Gulf States.

189. **tharos** DRURY, Ill. Exot. Ent., i, 43, 1770; SKINNER, C. no. 115. — Atl. States.
syn. *gorgone* HÜBNER, *morphea* GODART, *eudea* BERGSTRÆSSER, *mareia* EDWARDS, *packardii* SAUNDERS.
a. **morpheus** FABRICIUS, Syst. Ent., 550, 1775.
syn. *cocyta* CRAMER, *pharos* HARRIS.

190. **batesii** REAKIRT, Proc. Ent. Soc. Phil., v, 226, 1865; SKINNER, C. no. 116. — Atl. States.

191. **pratensis** BEHR, Proc. Cal. Acad. Sci., iii, 86, 1863; SKINNER, C. no. 117. — Pac. States.
syn. *campestris* BEHR, *pulchella* BOISDUVAL.
a. **orseis** EDWARDS, Trans. Am. Ent. Soc., iii, 206, 1871; SKINNER, C. no. 118.

192. **camillus** EDWARDS, Trans. Am. Ent. Soc., iii, 268, 1871; SKINNER, C. no. 119. — Rocky Mts.
a. **emissa** EDWARDS, Trans. Am. Ent. Soc., iii, 269, 1871.
b. **pallida** EDWARDS, Proc. Ent. Soc. Phil., ii, 505, 1864.
c. **mata** REAKIRT, Proc. Ent. Soc. Phil., vi, 142, 1866.

193. **mylitta** EDWARDS, Proc. Acad. Nat. Sci. Phil., 160, 1861; SKINNER, C. no. 120. — Rocky Mts., Pac. States.
syn. *collina* BEHR, *callina* BOISDUVAL, *epula* BOISDUVAL.

194. **barnesi** SKINNER, Can. Ent., xxix, 155, 1897; C. no. 121. — Col.

195. **montana** BEHR, Proc. Cal. Acad. Sci., iii, 85, 1863; SKINNER, C. no. 122. — Cal., Nev.
syn. *orsa* BOISDUVAL, *pratensis* SCUDDER.

196. **picta** EDWARDS, Proc. Ent. Soc. Phil., iv, 201, 1865; SKINNER, C. no. 123. — Rocky Mts., Tex.
syn. *canace* EDWARDS.

MICROTIA Bates.

BATES, Ent. Mo. Mag., i, 83, 1864.

196. 1. **elva** BATES, Ent. Mo. Mag., i, 83, 1864. — Mex., Ariz.

ANTHANASSA Scudder.

SCUDDER, Bull. Buff. Soc., ii, 268, 1875.

197. **frisia** POEY, Cent. Lep. Cuba, 9, 1832; SKINNER, C. no. 124. — Fla., Antilles.
syn. *gyges* HEWITSON.

198. **texana** EDWARDS, Proc. Ent. Soc. Phil., ii, 81, 1863; SKINNER, C. no. 125. — Tex., Neb., Mex.
syn. *cincta* EDWARDS, *smerdis* HEWITSON.

*199. **tulcis** BATES, Ent. Mo. Mag., i, 82, 1864; SKINNER, C. no. 126. — Ariz., Tex., Mex.
syn. *punctata* EDWARDS, *archesilea* FELDER.

CHLOSYNE Butler.

BUTLER, Cist. Ent., i, 38, 1870; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 141, 1875.

200. **janais** DRURY, Ill. Exot. Ent., iii, pl. 17, f. 5, 1782; SKINNER, C. no. 127. — Tex., Nev., Mex.

201. **lacinia** GEYER, HÜBNER, Zutr. exot. Schmett., f. 899, 1837; SKINNER, C. no. 128. — Tex., Ariz., Mex.
syn. *tellias* BATES, *quehtala* REAKIRT, *ardema* REAKIRT, *pauper* FELDER, *mediatrix* FELDER, *misera* FELDER, *pretoria* BOISDUVAL, *crocale* EDWARDS, *adjutrix* SCUDDER.
a. **adelina** STAUDINGER, Verh. zool.-bot. Ges. Wien, 102, 1875.
b. **saundersii** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., i, 186, 1850.

*202. **erodyle** BATES, Ent. Mo. Mag., i, 84, 1864; SKINNER, C. no. 129. — Tex., Mex.

MESTRA Hübner.

HÜBNER, Samml. exot. Schmett., ii, 1826; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 217, 1875.

203. **amymone** MÉNÉTRIES, Cat. Mus. Pét., 123, 1857; SKINNER, C. no. 130. — Tex., Mex.

*204. **floridana** STRECKER, Lep. Rhop. Het., suppl. 3, 24, 1900. — Fla.

POLYGONIA Hübner.

HÜBNER, Verz. bek. Schmett., 36, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 253, 1875.

205. **interrogationis** FABRICIUS, Ent. Syst., sup., 424, 1798; SKINNER, C. no. 131. — Atl. States.

syn. *fabricii* EDWARDS.

a. **umbrosa** LINTNER, Trans. Am. Ent. Soc., ii, 313, 1869.

206. **comma** HARRIS, Ins. Inj. Veg., 221, 1842; SKINNER, C. no. 132. — Atl. States.

syn. *harrisii* EDWARDS.

a. **dryas** EDWARDS, Trans. Am. Ent. Soc., iii, 17, 1870.

207. **satyrus** EDWARDS, Trans. Am. Ent. Soc., ii, 374, 1869; SKINNER, C. no. 133. — Rocky Mts.,

a. **marsyas** EDWARDS, Trans. Am. Ent. Soc., iii, 16, 1870. — Pac. States.

*208. **hylas** EDWARDS, Trans. Am. Ent. Soc., iv, 68, 1872; SKINNER, C. no. 134. — Col.

209. **faunus** EDWARDS, Proc. Acad. Nat. Sci. Phil., 222, 1862; SKINNER, C. no. 136. — No. U. S.

syn. *rusticus* EDWARDS; SKINNER, C. no. 135.

210. **silvius** EDWARDS, Trans. Am. Ent. Soc., v, 108, 1874; SKINNER, C. no. 137. — Cal.

211. **zephyrus** EDWARDS, Trans. Am. Ent. Soc., iii, 16, 1870; SKINNER, C. no. 138. — Rocky Mts., Pac. States.

syn. *thiodamus* SCUDDER.

212. **gracilis** GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 432, 1867; SKINNER, C. no. 139. — No. U. S.

syn. *c-argenteum* SCUDDER.

*213. **oreas** EDWARDS, Trans. Am. Ent. Soc., ii, 373, 1869. — Pac. States.

a. **silenus** EDWARDS, Trans. Am. Ent. Soc., iii, 15, 1870; SKINNER, C. no. 140

214. **progne** CRAMER, Pap. Exot., i, pl. 15, f. E, 1775; SKINNER, C. no. 141. — Atl. States, Pac. N.-W.

syn. *argenteum* KIRBY, *grogne* FABRICIUS.

a. **l-argenteum** SCUDDER, Bull. Buff. Soc., ii, 253, 1875.

EUGONIA Hübner.

HÜBNER, Verz. bek. Schmett., 36, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 170, 1875.

215. **j-album** BOISDUVAL & LE CONTE, Lép. Am. Sept., 185, 1833; SKINNER, C. no. 142. — Atl. States.

syn. *auriomarginata* COCKERELL.

216. **californica** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 306, 1852; SKINNER, C. no. 144. — Pac. States, Col.

EUVANESSA Scudder.

SCUDDER, Butt. E. U. S. & Can., i, 387, 1889.

217. **antiopa** LINNÆUS, Syst. Nat., 476, 1758; SKINNER, C. no. 143. — U. S., Eur.

syn. *pompadour* POLLICH, *morio* LINNÆUS, *obscura* COCKERELL, *hippolyta* LYMAN, *grandis* EHRMAN, Can. Ent., xxxii, 348, 1900.

a. **hygiæa** HEYDENREICH, Verz. eur. Schmett., 7, 1851.

syn. *lintnerii* FITCH.

AGLAIS Dalman.

DALMAN, Vetensk. Akad. Handl., xxxvii, 56, 64, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 105, 1875.

218. **milberti** GODART, Encl. Méth., ix, 307, 1819; SKINNER, C. no. 145. — U. S.

syn. *furcillata* SAY.

a. **subpallida** COCKERELL, Ent., 185, 1889.

VANESSA Fabricius.

FABRICIUS, Ill. Mag., vi, 281, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 287, 1875.

219. **atalanta** LINNÆUS, Syst. Nat., 478, 1758; SKINNER, C. no. 146. — U. S., Eur.

syn. *admiralis* RETZIUS.

220. **huntera** FABRICIUS, Syst. Ent., 499, 1775; SKINNER, C. no. 147. — U. S., Mex.

syn. *belladonna* PETIVER, *virginiensis* DRURY, *iole* CRAMER, *hunteri* HÜBNER.

a. **fulvia** DODGE, Can. Ent., xxxii, 92, 1900.

221. **cardui** LINNÆUS, Syst. Nat., 475, 1758; SKINNER, C. no. 148. — U. S., Eur., Asia, etc.
syn. *cardueliis* SEBA, *minor* COCKERELL, *clymi* RAMBUR, *ate* STRECKER.

222. **carye** HÜBNER, Samml. ex. Schmett., i, 1806; SKINNER, C. no. 149. — Pac. States.
syn. *charie* BLANCHARD, *muelleri* LETCHER.

JUNONIA Hübner.

HÜBNER, Verz. bek. Schmett., 34, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 200, 1875.

223. **cœnia** HÜBNER, Samml. exot. Schmett., ii, 1825; SKINNER, C. no. 150. — So. Atl. States.
syn. *genovera* CRAMER, *orythia* SMITH & ABBOT, *lavinia* GODART.

ANARTIA Hübner.

HÜBNER, Verz. bek. Schmett., 33, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 111, 1875.

224. **jatrophæ** LINNÆUS, Mus. Lud. Ulr., 289, 1764; SKINNER, C. no. 152. — Fla., So. Am.

VICTORINA Blanchard.

BLANCHARD, Hist. Ins., iii, 447, 1840; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 288, 1875.

225. **steneles** LINNÆUS, Syst. Nat., 465, 1758; SKINNER, C. no. 151. — Fla., So. Am.
syn. *lavinia* FABRICIUS.

HYPANARTIA Hübner.

HÜBNER, Samml. exot. Schmett., ii, 1825; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 193, 1875.

226. **lethe** FABRICIUS, Ent. Syst., iii, 80, 1793; SKINNER, C. no. 153. — Tex., So. Am.
syn. *demonica* HÜBNER.

EUNICA Hübner

HÜBNER, Verz. bek. Schmett., 61, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 171, 1875.

227. **monima** CRAMER, Pap. Exot., iv, pl. 387, f. F, 1782; SKINNER, C. no. 154. — Tex., Fla., So. Am.
syn. *myrta* GODART, *modesta* BATES.

228. **tatila** HERRICH-SCHAEFFER, Samml. ausser. Schmett., f. 69, 1855; SKINNER, C. no. 155. — Fla., Mex.
syn. *cærulea* GODMAN & SALVIN.

DIÆTHRIA Billberg.

BILLBERG, Enum. Ins., 78, 1820; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 269, 1875.

229. **clymena** CRAMER, Pap. Exot., i, pl. 24, f. E, 1775; KIRBY, Cat. Diurn. Lep., 207, 1871. — Mex.

AMPHICHLORA Felder.

FELDER, Neu. Lep., 19, 1861; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 109, 1875.

230. **fornax** HÜBNER, Samml. exot. Schmett., ii, 1824; KIRBY, Cat. Diurn. Lep., 207, 1871. — Tex., Mex.

231. **feronia** LINNÆUS, Mus. Ulr., 283, 1764; KIRBY, Cat. Diurn. Lep., 215, 1871. — Tex., Mex.

TIMETES Boisduval.

BOISDUVAL, Cuvier, Règ. An., ii, pl. 139, 1836; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 284, 1875.

232. **coresia** GODART, Enc. Méth., ix, 359, 1823; SKINNER, C. no. 156. — Tex., Mex.

syn. *zerynthia* HÜBNER, *sylla* PERTY.

233. **chiron** FABRICIUS, Syst. Ent., 452, 1775; SKINNER, C. no. 159. — Tex., Mex.

syn. *marius* CRAMER, *chironias* HÜBNER.

ATHENA Hübner.

HÜBNER, Verz. bek. Schmett., 36, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 123, 1875.

234. **peleus** SULZER, Abg. Gesch. Ins., pl. 13, f. 4, 1776; SKINNER, C. no. 157. — Fla., Mex.

syn. *petreus* CRAMER, *tethys* FABRICIUS.

235. **eleucha** HÜBNER, Samml. exot. Schmett., ii, 1824; SKINNER, C. no. 158. — Tex., Fla., Antilles.

syn. *pellenis* GODART.

BASILARCHIA Scudder.

SCUDDER, Syst. Rev., 8, 1872; Proc. Am. Acad. Arts & Sci., x, 126, 1875.

236. **astyanax** FABRICIUS, Syst. Ent., 447, 1775; SKINNER, C. no. 161. — Atl. States, Ariz.

syn. *ephestion* STOLL, *ursula* GODART.

a. **arizonensis** EDWARDS, Pap., ii, 22, 1882.

b. **cerulea** EHRMAN, Can. Ent., xxxii, 348, 1900.

237. **arthemis** DRURY, Ill. Exot. Ent., ii, pl. 10, f. 3, 1773; SKINNER, C. no. 162. — No. Atl. States.

syn. *lamina* FABRICIUS.

a. **proserpina** EDWARDS, Proc. Ent. Soc. Phil., v, 148, 1865.

238. **weidemeyerii** EDWARDS, Proc. Acad. Nat. Sci. Phil., 162, 1861; SKINNER, C. no. 163. — Rocky Mts.
a. **sinefascia** EDWARDS, Pap., ii, 22, 1882.

239. **archippus** CRAMER, Pap. Exot., i, pl. 16, f. A, 1779; SKINNER, C. no. 164. — U. S.
syn. *disippe* GODART.
a. **pseudodorippus** STRECKER, Cat. Lep., 143, 1878.

240. **floridensis** STRECKER, Cat. Lep., 143, 1878; SKINNER, C. no. 165. — So. States.
syn. *eros* EDWARDS.

241. **obsoleta** EDWARDS, Pap., ii, 22, 1882; SKINNER, C. no. 166. — Utah, Ariz.
syn. *hulstii* EDWARDS.

242. **lorquinii** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 301, 1852; SKINNER, C. no. 167. — Pac. States.
a. **eavesi** HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 172, 1878.

LIMENITIS Fabricius.

FABRICIUS, Ill. Mag., vi, 281, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 206, 1875.

243. **bredowii** HÜBNER, Zutr. exot. Schmett., f. 825, 1837; SKINNER, C. no. 168. — Pac. States.
syn. *eulalia* DOUBLEDAY & HEWITSON.
a. **californica** BUTLER, Proc. Zool. Soc. Lond., 485, 1865.

CHLORIPPE Boisduval.

BOISDUVAL, in Doubleday List. Brit. Mus., 108, 1844; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 140, 1875.

244. **celtis** BOISDUVAL & LE CONTE, Lép. Am. Sept., 210, 1833; SKINNER, C. no. 169. — So. Atl. States.

245. **antonia** EDWARDS, Field & Forest, iii, 103, 1877; SKINNER, C. no. 170. — Rocky Mts.
a. **montis** EDWARDS, Pap., ii, 7, 1882.

246. **leilia** EDWARDS, Trans. Am. Ent. Soc., v, 103, 1874; SKINNER, C. no. 171. — Ariz.

247. **alicia** EDWARDS, Butt. U. S., 135, 1868; SKINNER, C. no. 172. — Gulf States.

248. **clyton** BOISDUVAL & LE CONTE, Lép. Am. Sept., 208, 1833; SKINNER, C. no. 173. — Atl. States.
syn. *ocellata* EDWARDS.
a. **proserpina** SCUDDER, Proc. Bost. Soc. Nat. Hist., xi, 401, 1868.

249. **flora** EDWARDS, Butt., ii, 1876; SKINNER, C. no. 174. Fla., Tex.

*250. **cocles** LINTNER, Pap., iv, 141, 1884; SKINNER, C. no. 175. Tex.

SMYRNA Hübner.

HÜBNER, Samml. exot. Schmett., ii, 1826; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 269, 1875.

251. **karwinskii** HÜBNER, Samml. exot. Schmett., ii, 1826; KIRBY, Cat. Diurn. Lep., 266, 1871. Mex., Tex.

CŒA Hübner.

HÜBNER, Verz. bek. Schmett., 48, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 144, 1875.

*252. **acheronta** FABRICIUS, Syst. Ent., 501, 1775; KIRBY, Cat. Diurn. Lep., 264, 1871. Mex.

syn. *codamus* CRAMER, *phereeydes* CRAMER.

HISTORIS Hübner.

HÜBNER, Verz. bek. Schmett., 35, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 192, 1875.

253. **odius** FABRICIUS, Syst. Ent., 457, 1775; KIRBY, Cat. Diurn. Lep., 263, 1871. Fla., So. Am.

syn. *orion* FABRICIUS, *danae* CRAMER.

ANÆA Hübner.

HÜBNER, Verz. bek. Schmett., 48, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 111, 1875.

254. **andria** SCUDDER, Bull. Buff. Soc., ii, 248, 1875; SKINNER, C. no. 176. Miss. Val.

syn. *ops* DRUCE.

255. **portia** FABRICIUS, Syst. Ent., 507, 1775; SKINNER, C. no. 177. Fla., Antilles.

*256. **morrisonii** EDWARDS, Pap., iii, 8, 1883; SKINNER, C. no. 178. Ariz.

Family AGAPETIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., 31–41, 1898.)

CERCYONIS Speyer.

SPEYER, Bull. Buff. Soc., ii, 241, 1875; SCUDDER, Butt. E. U. S., i, 156, 1889.

257. **pegala** FABRICIUS, Syst. Ent., 494, 1775; SKINNER, C. no. 210. So. Atl. States.

syn. *pegula* HERBST.

258. **alope** FABRICIUS, Ent. Syst., iii, 1, 229, 1793; SKINNER, C. no. 211. — Atl. States.

a. **texana** EDWARDS, Can. Ent., xii, 23, 1880.
syn. *incana* EDWARDS.

b. **boopis** BEHR, Proc. Cal. Acad. Sci., iii, 164, 1864.

c. **nephele** KIRBY, Faun. Bor. Am., iv, 297, 1837
syn. *olympus* EDWARDS, *ariana* BOISDUVAL.

d. **baroni** EDWARDS, Can. Ent., xii, 91, 1880.

e. **maritima** EDWARDS, Can. Ent., xii, 23, 1880.

259. **wheeleri** EDWARDS, Trans. Am. Ent. Soc., iv, 343, 1873; SKINNER, C. no. 212. — Cal., Ariz., Utah.
syn. *hoffmani* STRECKER.

260. **gabbii** EDWARDS, Trans. Am. Ent. Soc., iii, 192, 1870; SKINNER, C. no. 213. — Oreg., Utah.

261. **meadii** EDWARDS, Trans. Am. Ent. Soc., iv, 70, 1872; SKINNER, C. no. 214. — Rocky Mts.

262. **paulus** EDWARDS, Can. Ent., xi, 50, 1879; SKINNER, C. no. 215. — Cal., Nev.

263. **sylvestris** EDWARDS, Proc. Acad. Nat. Sci. Phil., 162, 1861; SKINNER, C. no. 216. — Pac. States, Rocky Mts.
syn. *phocus* EDWARDS.

a. **charon** EDWARDS, Trans. Am. Ent. Soc., iv, 69, 1870; SKINNER, C. no. 216.

*264. **œtus** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 63, 1869; SKINNER, C. no. 217. — Cal.

*265. **sthenele** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 308, 1852, SKINNER, C. no. 218. — Cal.

GYROCHEILUS Butler.

BUTLER, Ann. Mag. Nat. Hist., (3), xx, 267, 1867; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 182, 1875.

266. **tritonia** EDWARDS, Trans. Am. Ent. Soc., v, 18, 1874; SKINNER, C. no. 207. — Ariz., Mex.

EREBIA Dalman.

DALMAN, Vetensk. Acad. Handl., xxxvii, 58, 79, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 165, 1875.

267. **fasciata** BUTLER, Cat. Satyr. Brit. Mus., 92, 1868; SKINNER, C. no. 198. — Arctic Am.

268. **discoidalis** KIRBY, Faun. Bor. Am., iv, 298, 1837; SKINNER, C. no. 199. — Arctic Am.

269. **rossii** CURTIS, Ross Second Voy. N. W. Pass., app., 67, 1835; SKINNER, C. no. 200. — Arctic Am.

270. **disa** THUNBERG, Diss. Ent. Ins. Suec., ii, 37, 1791; KIRBY, Cat. Diurn. Lep., 67, 1871. — Arctic Am.

a. **mancinus** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., 380, pl. 64, f. 2, 1851; SKINNER, C. no. 201.

271. **vidleri** ELWES, Trans. Ent. Soc. Lond., 195, 1898; SKINNER, C. no. 202. — Brit. Col., Wash.

272. **tyndarus** ESPER, Schmett. Eur., i, 2, pl. 67, f. 1, 1781; KIRBY, Cat. Diurn. Lep., 63, 1871. — Col., N. M., Eur.

a. **callias** EDWARDS, Trans. Am. Ent. Soc., iii, 274, 1871; SKINNER, C. no. 203.

273. **epipsodea** BUTLER, Cat. Satyr. Brit. Mus., 80, 1868; SKINNER, C. no. 204. — Rocky Mts., Alaska.

syn. *rhoda* EDWARDS.

a. **brucei** ELWES, Trans. Ent. Soc. Lond., 326, 1889.

syn. *sinuocellata* SKINNER.

274. **sofia** STRECKER, Bull. Brook. Ent. Soc., iii, 35, 1880; SKINNER, C. no. 205. — Rocky Mts., Alaska.

syn. *ethela* EDWARDS.

a. **alaskensis** HOLLAND, Ent. News, xi, 387, 1900.

275. **magdalena** STRECKER, Bull. Brook. Ent. Soc., iii, 25, 1880; SKINNER, C. no. 206. — Col.

276. **youngi** HOLLAND, Ent. News, xi, 388, 1900. — Alaska.

NEOMINOIS Scudder.

SCUDDER, Bull. Buff. Soc., ii, 241, 1875.

277. **ridingsii** EDWARDS, Proc. Ent. Soc. Phil., iv, 201, 1865; SKINNER, C. no. 208. — Rocky Mts.

syn. *stretchii* EDWARDS.

278. **dionysius** SCUDDER, Bull. U. S. Geol. Surv., Hayden, iv, 254, 1878; SKINNER, C. no. 209. — Utah, Ariz., Col.

syn. *ashtaroth* STRECKER.

COENONYMPHA Hübner.

HÜBNER, Verz. bek. Schmett., 65, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 145, 1875; SKINNER, Trans. Am. Ent. Soc., xxvi, 299, 1900.

279. **californica** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., ii, 398, 1852; SKINNER, C. no. 189. — Pac. States.

syn. *galactinus* BOISDUVAL, *ceres* BUTLER, *eryngii* HY. EDWARDS.

a. **pulla** HY. EDWARDS, Pap., i, 51, 1881.

280. **elko** EDWARDS, Can. Ent., xiii, 57, 1880; SKINNER, C. no. 190. — Pac. States.

syn. *ampelos* EDWARDS; SKINNER, C. no. 193.

281. **ochracea** EDWARDS, Proc. Acad. Nat. Sci. Phil., 163, 1861; SKINNER, C. no. 192. — Rocky Mts., So. Cal.

syn. *brenda* EDWARDS; SKINNER, C. no. 195.

282. **kodiak** EDWARDS, Trans. Am. Ent. Soc., ii, 375, 1869; SKINNER, C. no. 194. — Alaska.

a. **yukonensis** HOLLAND, Ent. News, xi, 386, 1900.

283. **pamphilius** LINNÆUS, Syst. Nat., 472, 1758; SKINNER, C. no. 196. — Cal., Asia.

syn. *pamphiloides* REAKIRT, *gardetta* DE LOCHE, *nephela* HUFNAGEL, *menalcas* PODA.

*284. **typhon** ROTTENBURG, Naturf., vi, 15, 1775; KIRBY, Cat. Diurn. Lep., 99, 1871. — No. U. S., Eur.

a. **laidon** BORKHAUSEN, Eur. Schmett., i, 91, 29, 1788; SKINNER, C. no. 191.

syn. *inornata* EDWARDS.

285. **haydenii** EDWARDS, Rept. Hayden Expl. Surv. Mont., 467, 1872; SKINNER, C. no. 197. — Rocky Mts.

ENODIA Hübner.

HÜBNER, Verz. bek. Schmett., 61, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 163, 1875.

286. **portlandia** FABRICIUS, Spec. Ins., ii, 82, 1781; SKINNER, C. no. 179. — Atl. States.

syn. *andromacha* HÜBNER.

*287. **creola** SKINNER, Ent. News, viii, 236, 1897; C. no. 180. — So. States.

SATYRODES Scudder.

SCUDDER, Bull. Buff. Soc., ii, 242, 1875; Butt. E. U. S., i, 187, 1889.

288. **canthus** LINNÆUS, Syst. Nat., 768, 1767; SKINNER, C. no. 181. — Atl. States.

syn. *boisduvalii* HARRIS.

ŒNEIS Hübner.

HÜBNER, Verz. bek. Schmett., 58, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 231, 1875.

289. **macounii** EDWARDS, Can. Ent., xvii, 71, 1885; SKINNER, C. no. 219. — Can.

290. **nevadensis** FELDER, Reise Nov., iii, 89, 1867; SKINNER, C. no. 220. — Pac. States.

syn. *gigas* BUTLER, *californica* BOISDUVAL, *iduna* EDWARDS.

291. **chryxus** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., ii, 383, 1851; SKINNER, C. no. 221. — Can.

a. **calais** SCUDDER, Proc. Ent. Soc. Phil., v, 7, 1865.

b. **ivallda** MEAD, Can. Ent., x, 196, 1878; SKINNER, C. no. 223. — Nev., Cal.

292. **jutta** HÜBNER, Eur. Schmett., f. 614, 1800; SKINNER, C. no. 230. — Arctic Am.

syn. *balder* BOISDUVAL.

a. **alaskensis** HOLLAND, Ent. News, xi, 389, 1900.

293. **uhleri** REAKIRT, Proc. Ent. Soc. Phil., vi, 143, 1866; SKINNER, C. no. 226. — Rocky Mts.

a. **varuna** EDWARDS, Can. Ent., xiv, 2, 1882; SKINNER, C. no. 225.

294. **tarpeia** PALLAS, Reise, i, 18, 1771; SKINNER, C. no. 227. — Can., Eur.

syn. *celimene* CRAMER.

a. **alberta** ELWES, Trans. Ent. Soc. Lond., 467, 1893; SKINNER, C. no. 224.

295. **norna** THUNBERG, Diss. Ent. Ins. Suec., ii, 36, 1791; SKINNER, C. no. 222. — Arctic Am.,

a. **dauria** STRECKER, Can. Ent., xxvi, 225, 1894; SKINNER, C. no. 228. — Mts. Atl. States,

b. **katahdin** NEWCOMB, Ent. News, xii, 206, 1901. — Ariz.

c. **hilda** QUENSEL, Act. Holm., 272, 1791.

d. **celæno** HÜBNER, Eur. Schmett., i, f. 152, 1794.

e. **bore** HÜBNER, Eur. Schmett., i, f. 756, 1825.

syn. *fulla* EVERSMANN.

f. **taygete** HÜBNER, Samml. exot. Schmett., iii, 1824; SKINNER, C. no. 229.

syn. *bootes* BOISDUVAL.

g. **semidea** SAY, Am. Ent., iii, pl. 50, 1828; SKINNER, C. no. 231.

syn. *æno* BOISDUVAL, *assimilis* BUTLER, *nigra* EDWARDS.

h. **peartiæ** EDWARDS, Butt., iii, pl. 14, Chion., 1897; SKINNER, C. no. 233.

i. **subhyalina** CURTIS, Ross Second Voy. N.-W. Pass., app., 68, 1835; SKINNER, C. no. 234.

syn. *crambis* FREYER, *also* MÖSCHLER, *æno* SCUDDER.

k. **brucei** EDWARDS, Can. Ent., xxiii, 33, 1891; SKINNER, C. no. 235.

l. **beanii** ELWES, Proc. Ent. Soc. Lond., 476, 1893; SKINNER, C. no. 236.

NEONYMPHA Hübner.

HÜBNER, Verz. bek. Schmett., 65, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 225, 1875.

296. **gemma** HÜBNER, Zutr. exot. Schmett., i, f. 4, 1818; SKINNER, C. no. 182. — So. States.
syn. *cornelius* GODART.

297. **henshawii** EDWARDS, Trans. Am. Ent. Soc., v, 205, 1876; SKINNER, C. no. 183. — Rocky Mts.

298. **phocion** FABRICIUS, Sp. Ins., ii, 138, 1781; SKINNER, C. no. 184. — So. States.
syn. *areolatus* SMITH & ABBOT, *helcita* HÜBNER.

CISSIA Doubleday.

DOUBLEDAY, List Brit. Mus., app., 33, 1848; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 143, 1875.

299. **eurytus** FABRICIUS, Syst. Ent., 487, 1775; SKINNER, C. no. 185. — Atl. States.
syn. *cymela* CRAMER, *eurytris* FABRICIUS.

300. **mitchelli** FRENCH, Can. Ent., xxi, 25, 1889; SKINNER, C. no. 186. — Atl. States.

301. **sosybius** FABRICIUS, Ent. Syst., iii, 1, 219, 1793; SKINNER, C. no. 187. — Atl. States.
syn. *camerta* CRAMER.

302. **rubricata** EDWARDS, Trans. Am. Ent. Soc., iii, 212, 1872; SKINNER, C. no. 188. — Tex., Ariz., Mex.

EPINEPHELE Hübner.

HÜBNER, Verz. bek. Schmett., 59, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 164, 1875.

303. **xicaque** REAKIRT, Proc. Acad. Nat. Sci. Phil., 336, 1866; KIRBY, Cat. Diurn. Lep., 78, 1872; BARNES, Ent. News, x, 330, 1900. — Mex., Ariz.

Family HELICONIDÆ.

APOSTRAPHIA Hübner.

HÜBNER, Verz. bek. Schmett., 13, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 116, 1875.

304. **charithonia** LINNÆUS, Syst. Nat., ii, 757, 1767; SKINNER, C. no. 6. — Fla., Antilles.

Family ITHOMIIDÆ.

DIRCENNA Doubleday.

DOUBLEDAY, Gen. Diurn. Lep., pl. 17, 1847; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 157, 1875.

305. **klugii** HÜBNER, Zutr. exot. Schmett., f. 801, 1837; SKINNER, C. no. 5. — Mex., Tex.

MECHANITIS Fabricius.

FABRICIUS, Ill. Mag., vi, 284, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 212, 1875.

*306. **californica** REAKIRT, Proc. Ent. Soc. Phil., v, 223, 1865; SKINNER, C. no. 4. — So. Cal.

DYNOTHEA Reakirt.

REAKIRT, Proc. Ent. Soc. Phil., 222, 1866; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 160, 1875.

307. **lycaste** FABRICIUS, Ent. Syst., iii, 1, 161, 1793; SKINNER, C. no. 3. — Cal., Mex.

a. **negreta** REAKIRT, Proc. Ent. Soc. Phil., v, 223, 1865.

Family LYMNADIIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., pp. 1–2, 1898.)

ANOSIA Hübner.

HÜBNER, Verz. bek. Schmett., 16, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x 113, 1875.

308. **plexippus** LINNÆUS, Syst. Nat., 471, 1758; SKINNER, C. no. 1. — U. S.

syn. *archippus* FABRICIUS, *crippus* CRAMER, *megalippe* HÜBNER, *menippe* HÜBNER, *fumosus* HULST, *pulchra* STRECKER, Lep. Rhop. Het., suppl. 3, 21, 1900.

309. **berenice** CRAMER, Pap. Exot., iii, pl. 205, f. E, 1782; SKINNER, C. no. 2. — So. States.

a. **strigosa** BATES, Ent. Mo. Mag., i, 32, 1864. — So. Am.

LYCOREA Doubleday.

DOUBLEDAY, Gen. Diurn. Lep., 105, 1847; KIRBY, Cat. Diurn. Lep., 18, 1872.

310. **cleobæa** GODART, Enc. Méth., ix, 222, 1819; KIRBY, Cat. Diurn. Lep., 18, 1872. — Fla., So. Am.

a. **atergatis** DOUBLEDAY & HEWITSON, Gen. Diurn. Lep., pl. 16, f. 1, 1847.

b. **pales** FELDER, Wien. ent. Mon., vi, 75, 1862.

Family LIBYTHEIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., p. 42, 1898.)

HYPATUS Hübner.

HÜBNER, Cat. Frank., 85, 1825; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 194, 1875.

311. **bachmani** KIRTLAND, Am. Journ. Sci., ii, 13, 336, 1852; SKINNER, C. no. 237. — Atl. States.

312. **carinenta** CRAMER, Pap. Exot., ii, pl. 108, f. E, 1779; SKINNER, C. no. 238. — Tex.
   a. **larvata** STRECKER, Lep. Rhop. Het., 130, 1878.

Family RIODINIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., pp. 42–43, 1898.)

CHRYSOBIA Boisduval.

BOISDUVAL, Ann. Soc. Ent. Belg., xii, 52, 1869; SCUDDER, Bull. Buff. Soc., iii, 102, 1876.

313. **mormo** FELDER, Wien. ent. Mon., iii, 271, 1859; SKINNER, C. no. 239. — S.-W. U. S.
   syn. *dumeti* BEHR, *mormonia* BOISDUVAL.

314. **duryi** EDWARDS, Pap., ii, 47, 1882; SKINNER, C. no. 240. — New Mex.

315. **cythera** EDWARDS, Trans. Am. Ent. Soc., iv, 345, 1873; SKINNER, C. no. 241. — Ariz., Mex.

316. **virgulti** BEHR, Proc. Cal. Acad. Sci., iii, 178, 1865; SKINNER, C. no. 242. — So. Cal.
   syn. *sonorensis* FELDER.

POLYSTIGMA Godman & Salvin.

GODMAN & SALVIN, Biol. Cent. Am., Lep. Het., i, 469, 1886.

317. **nais** EDWARDS, Trans. Am. Ent. Soc., v, 291, 1876; SKINNER, C. no. 243. — Rocky Mts.

318. **palmerii** EDWARDS, Trans. Am. Ent. Soc., iii, 195, 1870; SKINNER, C. no. 244. — Rocky Mts.

EMESIS Fabricius.

FABRICIUS, Ill. Mag., vi, 287, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 162, 1875.

319. **zela** BUTLER, Ann. Mag. Nat. Hist., iv, 364, 1870; SKINNER, C. no. 245. — Ariz., Mex.
   syn. *ares* EDWARDS.
   a. **cleis** EDWARDS, Pap., ii, 137, 1882.

CALEPHELIS Grote & Robinson.

GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 310, 1869; SCUDDER, Proc. Am. Acad. Arts & Sci., 129, 1875.

320. **cænius** LINNÆUS, Syst. Nat., 1, 2, 796, 1767; SKINNER, C. no. 246. — So. States.
syn. *cerea* HÜBNER, *virginiensis* BOISDUVAL, *pumila* BOISDUVAL & LE CONTE, *cereus* DOUBLEDAY.

321. **borealis** GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 351, 1866; SKINNER, C. no. 247. — Atl. States.

322. **australis** EDWARDS, Field & Forest, iii, 87, 1877; SKINNER, C. no. 248. — Tex., Ariz.
syn. *guadeloupe* STRECKER.

*323. **nemesis** EDWARDS, Trans. Am. Ent. Soc., iii, 212, 1871; SKINNER, C. no. 249. — So. Cal.

CARIA Hübner.

HÜBNER, Zutr. exot. Schmett., 14, 1823; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., i, 447, 1886.

324. **melicerta** SCHAUS, Ent. Amer., vi, 18, 1890. — Tex., Mex.

Family LYCÆNIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., pp. 43–60, 1898.)

EUMÆUS Hübner.

HÜBNER, Verz. bek. Schmett., 67, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 170, 1875.

325. **atala** POEY, Cent. Lep. Cuba, ii, 1832; SKINNER, C. no. 250. — Fla., Cuba.
syn. *toxea* GRAY.

326. **minyas** HÜBNER, Samml. exot. Schmett., i, 1806; SKINNER, C. no. 251. — Tex., Mex.
syn. *godartii* BOISDUVAL, *toxana* BOISDUVAL.

HABRODIAS Scudder.

SCUDDER, Bull. Buff. Soc., iii, 113, 1876.

327. **grunus** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 289, 1852; SKINNER, C. no. 252. — Cal., Nev.

HYPAUROTIS Scudder.

SCUDDER, Bull. Buff. Soc., iii, 112, 1876.

328. **crysalus** EDWARDS, Trans. Am. Ent. Soc., iv, 344, 1873; SKINNER, C. no. 253. — Cal., Ariz., Utah.
a. **citima** HY. EDWARDS, Pap., i, 53, 1881.

ATLIDES Hübner.

HÜBNER, Verz. bek. Schmett., 80, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 124, 1875.

329. **halesus** CRAMER, Pap. Exot., ii, pl. 98, f. B, 1779; SKINNER, C. no. 254. — Gulf States to Cal.

syn. *dolichus* HÜBNER, *juanita* SCUDDER.

EUPSYCHE Scudder.

SCUDDER, Bull. Buff. Soc., iii, 112, 1876.

330. **m-album** BOISDUVAL & LE CONTE, Lép. Am. Sept., 86, 1833; SKINNER, C. no. 255. — So. Atl. States, Mex.

syn. *pysche* BOISDUVAL & LE CONTE.

*331. **telea** HEWITSON, Desc. Lyc., iv, no. 10, 1868; SKINNER, C. no. 256. — Fla., Mex.

*332. **martialis** HERRICH-SCHAEFFER, Corresp.-Blatt Regens., xviii, 164, 1864; SKINNER, C. no. 257. — Fla., Cuba.

*333. **hugon** GODART, Enc. Méth., ix, 640, 1843; SKINNER, C. no. 258. — Fla., Antilles.

syn. *hugo* DOUBLEDAY & HEWITSON.

*334. **jada** HEWITSON, Ill. Diurn. Lep., 87, 1870; SKINNER, C. no. 259. — Ariz., Mex.

URANOTES Scudder.

SCUDDER, Bull. Buff. Soc., iii, 107, 1876.

335. **melinus** HÜBNER, Zutr. exot. Schmett., f. 121, 1818; SKINNER, C. no. 263. — U. S.

syn. *hyperici* BOISDUVAL & LE CONTE, *favonius* BOISDUVAL & LE CONTE, *humuli* HARRIS, *pan* HARRIS, *silenus* DOUBLEDAY, *pudica* HY. EDWARDS.

THECLA Fabricius.

FABRICIUS, Ill. Mag., vi, 286, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 279, 1875.

336. **favonius** SMITH & ABBOT, Lep. Ins. Ga., i, 27, 1797; SKINNER, C. no. 260. — Gulf States.

337. **autolycus** EDWARDS, Trans. Am. Ent. Soc., iii, 271, 1871; SKINNER, C. no. 261. — Tex., Mo., Kans.

338. **alcestis** EDWARDS, Trans. Am. Ent. Soc., iii, 271, 1871; SKINNER, C. no. 262. — Tex., Ariz.

339. **acadica** EDWARDS, Proc. Acad. Nat. Sci. Phil., 55, 1862; SKINNER, C. no. 264. — No. States, Nev., Ariz.

syn. *souhegan* WHITNEY.

340. **californica** EDWARDS, Proc. Acad. Nat. Sci. Phil., 233, 1862; SKINNER, C. no. 265. — Pac. States.
syn. *borus* BOISDUVAL, *cygnus* EDWARDS.

*341. **itys** EDWARDS, Pap., ii, 23, 1882; SKINNER, C. no. 266. — Ariz.

*342. **auretorum** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 288, 1852; SKINNER, C. no. 261. — Cal.

343. **dryope** EDWARDS, Trans. Am. Ent. Soc., iii, 19, 1870; SKINNER, C. no. 268. — Cal., Nev., Utah.

*344. **sylvinus** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 287, 1852; SKINNER, C. no. 269. — Cal.

345. **edwardsii** SAUNDERS, Can. Ent., i, 99, 1869; SKINNER, C. no. 270. — No. States.
syn. *fabricii* KIRBY.

*346. **wittfeldii** EDWARDS, Can. Ent., xv, 136, 1883; SKINNER, C. no. 271. — Fla.

347. **calanus** HÜBNER, Samml. exot. Schmett., i, 1824; SKINNER, C. no. 272. — Atl. States, Rocky Mts.
syn. *falacer* GODART, *inornata* GROTE & ROBINSON.
a. **lorata** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 323, 1868.

*348. **ontario** EDWARDS, Trans. Am. Ent. Soc., ii, 209, 1868; SKINNER, C. no. 273. — No. Atl. States.

349. **liparops** BOISDUVAL & LE CONTE, Lép. Am. Sept., 99, 1833; SKINNER, C. no. 274. — No. Atl. States, Rocky Mts.
syn. *strigosa* HARRIS.

*350. **putnami** HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 143, 1876; SKINNER, C. no. 275. — Utah.

*351. **spadix** HY. EDWARDS, Pap., i, 53, 1881; SKINNER, C. no. 278. — So. Cal.

*352. **tetra** BEHR, Trans. Am. Ent. Soc., iii, 19, 1870; SKINNER, C. no. 277. — Cal.

*353. **chalcis** BEHR, Trans. Am. Ent. Soc., ii, 376, 1869; SKINNER, C. no. 278. — Cal., Utah.

354. **sæpium** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 288, 1852; SKINNER, C. no. 279. — Pac. States.
a. **fulvescens** HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 172, 1876. — Col.

355. **nelsonii** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 43, 1869; SKINNER, C. no. 280. — Cal., Col.
a. **exoleta** HY. EDWARDS, Pap., i, 53, 1881.
b. **muirii** HY. EDWARDS, Pap., i, 53, 1881.

356. **adenostomatis** Hy. Edwards, Proc. Cal. Acad. Sci., vii, 144, 1876; Skinner, C. no. 281. — Cal.

*357. **tacita** Hy. Edwards, Pap., i, 54, 1881; Skinner, C. no. 282. — Cal.

358. **spinetorum** Boisduval, in Hewitson, Ill. Diurn. Lep., 94, pl. 45, f. 198, 1867; Skinner, C. no. 283. — Pac. States.

syn. *ninus* Edwards.

359. **blenina** Hewitson, Desc. Lyc., xii, 29, 1868; Skinner, C. no. 284. — Vanc., Ariz., Mex.

syn. *sira* Edwards.

*360. **castalis** Edwards, Trans. Am. Ent. Soc., iii, 208, 1871; Skinner, C. no. 285. — Tex.

*361. **ilavia** Beutenmüller, Jn. N. Y. Ent. Soc., vii, 254, 1899. — Tex.

syn. *mirabelle* Barnes, Can. Ent., xxxii, 43, 1900.

MITOURA Scudder.

Scudder, Syst. Rev., 31, 1872; Proc. Am. Acad. Arts & Sci., x, 220, 1875.

362. **damon** Cramer, Pap. Exot., iv, pl. 90, f. C, 1782; Skinner, C. no. 286. — Atl. States.

syn. *gryneus* Hübner, *damastus* Godart, *similacis* Boisduval & Le Conte, *auburniana* Harris.

a. **discoidalis** Skinner, Can. Ent., xxix, 156, 1897.

*363. **simæthis** Drury, Ill. Exot. Ent., i, pl. 1, f. 3, 1770; Skinner, C. no. 287. — Tex., Mex.

syn. *sarita* Skinner, *lycus* Hübner.

364. **acis** Drury, Ill. Exot. Ent., i, pl. 1, f. 3, 1773; Skinner, C. no. 288. — Fla., Antilles.

syn. *mars* Fabricius.

CALYCOPIS Scudder.

Scudder, Bull. Buff. Soc., iii, 108, 1876.

365. **cecrops** Fabricius, Ent. Syst., iii, 1, 270, 1793; Skinner, C. no. 289. — So. States.

syn. *pacas* Hübner.

CALLICISTA Grote.

Grote, Bull. Buff. Soc., iii, 107, 1876.

366. **columella** Fabricius, Ent. Syst., iii, 1, 282, 1793; Skinner, C. no. 290. — Atl. States, Mex.

syn. *curytulus* Hübner, *modesta* Maynard, *ocellifera* Grote, *istapa* Reakirt, *salona* Hewitson.

*367. **clytie** EDWARDS, Field & Forest, iii, 88, 1877; SKINNER, C. no. 291. — Tex., Ariz.

368. **leda** EDWARDS, Pap., ii, 23, 1882; SKINNER, C. no. 292. — Ariz., Mex.

*369. **ines** EDWARDS, Pap., ii, 25, 1882; SKINNER, C. no. 293. — Ariz.

CALLIPSYCHE Scudder.

SCUDDER, Bull. Buff. Soc., iii, 106, 1876.

370. **behrii** EDWARDS, Trans. Am. Ent. Soc., iii, 18, 1870; SKINNER, C. no. 294. — Rocky Mts., Pac. States.
syn. *kali* STRECKER.

INCISALIA Minot.

MINOT, Scudder, Syst. Rev., 31, 1872; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 196, 1875.

371. **augustus** KIRBY, Faun. Bor. Am., iv, 298, 1837; SKINNER, C. no. 295. — No. Atl. States.
syn. *augustinus* WESTWOOD.

372. **iroides** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 289, 1852; SKINNER, C. no. 296. — Pac. States.

373. **fotis** STRECKER, Lep. Rhop. Het., 129, 1878; SKINNER, C. no. 297. — Ariz.

374. **irus** GODART, Enc. Méth., ix, 674, 1823; SKINNER, C. no. 298. — Atl. States.
a. **arsace** BOISDUVAL & LE CONTE, Lép. Am. Sept., 103, 1833.

375. **mossi** HY. EDWARDS, Pap., i, 54, 1881. — Vanc. Is.

376. **henrici** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 774, 1867; SKINNER, C. no. 299. — W. Va.

377. **eryphon** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 290, 1852; SKINNER, C. no. 300. — Cal., Col.

378. **niphon** HÜBNER, Zutr. exot. Schmett., f. 203, 1823; SKINNER, C. no. 301. — Atl. States, Rocky Mts.

CALLOPHRYS Billberg.

BILLBERG, Enum. Ins., 80, 1820; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 132, 1875.

379. **affinis** EDWARDS, Proc. Acad. Nat. Sci. Phil., 223, 1862; SKINNER, C. no. 302. — Utah.

380. **dumetorum** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 291, 1852; SKINNER, C. no. 303. — Rocky Mts., Cal.
syn. *viridis* EDWARDS.

381. **apama** EDWARDS. Pap., ii, 137, 1882; SKINNER, C. no. 304. — Ariz.

382. **sheridanii** EDWARDS. Field & Forest, iii, 48, 1877; SKINNER, C. no. 305. — Rocky Mts.

ERORA Scudder.

SCUDDER, Syst. Rev., 32, 1872; Proc. Am. Acad. Arts & Sci., x, 166, 1875.

383. **læta** EDWARDS, Proc. Acad. Nat. Sci. Phil., 55, 1862; SKINNER, C. no. 306. — Mont., Col.

syn. *clothilde* EDWARDS.

STRYMON Hübner.

HÜBNER, Verz. bek. Schmett., 74, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 271, 1875.

384. **titus** FABRICIUS, Ent. Syst., iii, 297, 1793; SKINNER, C. no. 307. — Atl. States.

syn. *mopsus* HÜBNER.

FENISECA Grote.

GROTE, Trans. Am. Ent. Soc., ii, 308, 1869; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 177, 1875.

385. **tarquinius** FABRICIUS, Ent. Syst., iii, 319, 1793; SKINNER, C. no. 308. — Atl. States.

syn. *cratægi* BOISDUVAL & LE CONTE, *porsenna* SCUDDER.

THARSALEA Scudder.

SCUDDER, Bull. Buff. Soc., iii, 125, 1876.

386. **arota** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 293, 1852; SKINNER, C. no. 309. — Cal.

387. **virginiensis** EDWARDS, Trans. Am. Ent. Soc., iii, 21, 1870; SKINNER, C. no. 310. — Cal., Nev., Col.

*388. **hermes** EDWARDS, Trans. Am. Ent. Soc., iii, 21, 1870; SKINNER, C. no. 311. — Cal., Nev.

GÆIDES Scudder.

SCUDDER, Bull. Buff. Soc., iii, 126, 1876.

389. **xanthoides** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 292, 1852; SKINNER, C. no. 312. — Cal.

390. **dione** SCUDDER, Trans. Chic. Acad. Sci., i, 330, 1869; SKINNER, C. no. 313. — Miss. Vall.

391. **editha** MEAD, Can. Ent., x, 198, 1878; SKINNER, C. no. 314. — Nev.

392. **gorgon** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 292, 1852; SKINNER, C. no. 315. — Cal.

CHRYSOPHANUS Hübner.

HÜBNER, Verz. bek. Schmett., 72, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 141, 1875.

393. **thoe** BOISDUVAL, Gray Griff. An. King., pl. 56, f. 4, 1832; SKINNER, C. no. 316. — Atl. States, Col.

EPIDEMIA Scudder.

SCUDDER, Bull. Buff. Soc., iii, 127, 1876.

394. **mariposa** REAKIRT, Proc. Ent. Soc. Phil., vi, 149, 1866; SKINNER, C. no. 317. — Cal., Rocky Mts.

syn. *nivalis* BOISDUVAL.

395. **zeroe** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 45, 1869; SKINNER, C. no. 318. — Cal Col.

syn. *iantha* EDWARDS.

396. **helloides** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 291, 1852; SKINNER, C. no. 319. — Rocky Mts., Cal.

syn. *castro* REAKIRT.

397. **dorcas** KIRBY, Faun. Bor. Am., iv, 299, 1837; SKINNER, C. no. 321. — Arctic Am.

a. **florus** EDWARDS, Can. Ent., xv, 210, 1883; SKINNER, C. no. 320; DYAR, Proc. Wash. Acad. Sci., ii, 489, 1900.

398. **epixanthe** BOISDUVAL & LE CONTE, Lép. Am. Sept., 127, 1833; SKINNER, C. no. 322. — Atl. States.

HEODES Dalman.

DALMAN, Vet. Akad. Handl., xxxvii, 63, 91, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 187, 1875.

399. **hypophleas** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 291, 1852; SKINNER, C. no. 323. — Atl. States.

syn. *phlæas* BOISDUVAL & LE CONTE, *americana* D'URBAN, *fasciata* STRECKER, *fulliolus* HULST.

a. **fieldeni** MCLACHLAN, Jn. Linn. Soc., xiv, 111, 1878.

CHALCERIA Scudder.

SCUDDER, Bull. Buff. Soc., iii, 125, 1876.

400. **cupreus** EDWARDS, Trans. Am. Ent. Soc., iii, 20, 1870; SKINNER, C. no. 324. — Cal., Oreg.

401. **snowi** EDWARDS, Trans. Kans. Acad. Sci., vii, 69, 1881; SKINNER, C. no. 325. — Rocky Mts.

*402. **rubidus** EDWARDS, Proc. Ent. Soc. Phil., vi, 208, 1866; SKINNER, C. no. 326. — Rocky Mts., Oreg.

a. **sirius** EDWARDS, Trans. Am. Ent. Soc., iii, 270, 1871; SKINNER, C. no. 327.

SATYRIUM Scudder.

SCUDDER, Bull. Buff. Soc., iii, 106, 1876.

403. **fuliginosa** EDWARDS, Proc. Acad. Nat. Sci. Phil., 164, 1861; SKINNER, C. no. 328. — Cal., Nev., Utah.
syn. *suasa* BOISDUVAL.

CUPIDO Schrank.

SCHRANK, Faun. Boica, ii, i, 153, 206, 1801; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 149, 1875.

404. **heteronea** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 298, 1852; SKINNER, C. no. 329. — Cal. to Col.

405. **clara** HY. EDWARDS, Pacific Coast Lep., no. 26, 1877; SKINNER, C. no. 330. — So. Cal.

406. **lycea** EDWARDS, Proc. Ent. Soc. Phil., ii, 507, 1864; SKINNER, C. no. 331. — Rocky Mts.
syn. *arapahoe* REAKIRT.

407. **fulla** EDWARDS, Trans. Am. Ent. Soc., iii, 194, 1870; SKINNER, C. no. 332. — Pac. States.
syn. *fuliginosa* STRECKER.

408. **icarioides** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 297, 1852; SKINNER, C. no. 333. — Cal.
syn. *pardalis* BEHR, *dædalus* BEHR, *erymus* BOISDUVAL, *mintha* EDWARDS.
a. **maricopa** REAKIRT, Proc. Acad. Nat. Sci. Phil., 245, 1866.

409. **sæpiolus** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 297, 1852; SKINNER, C. no. 334. — Pac. States, Rocky Mts.
syn. *æhaja* BEHR, *rufescens* BOISDUVAL.

*410. **amica** EDWARDS, Proc. Ent. Soc. Phil., ii, 80, 1863; SKINNER, C. no. 335. — Brit. Am.
syn. *orbitulus* SCUDDER.

411. **pembina** EDWARDS, Proc. Acad. Nat. Sci. Phil., 224, 1862; SKINNER, C. no. 336. — Brit. Am.

412. **pheres** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 297, 1852; SKINNER, C. no. 337. — Pac. States.
a. **evius** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 49, 1869. — Rocky Mts.

*413. **phileros** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 50, 1869; SKINNER, C. no. 338. — Cal., Ariz.
syn. *helios* EDWARDS.

*414. **ardea** EDWARDS, Trans. Am. Ent. Soc., iii, 209, 1871; SKINNER, C. no. 339. — Nev.

*415. **kodiak** EDWARDS, Trans. Am. Ent. Soc., iii, 20, 1870; SKINNER, C. no. 340. — Alaska.

*416. **mela** STRECKER, Lep. Rhop. Het., suppl. 3, 20, 1900. — Col., B. C.

NOMIADES Hübner.

HÜBNER, Verz. bek. Schmett., 67, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 228, 1875.

417. **xerces** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 296, 1852; SKINNER, C. no. 341. — Cal.

418. **antiacis** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 300, 1852; SKINNER, C. no. 342. — Cal., Nev., Ariz.

syn. *polyphemus* BOISDUVAL, *oreus* EDWARDS.

a. **behrii** EDWARDS, Proc. Acad. Nat. Sci. Phil., 224, 1862.

b. **mertila** EDWARDS, Proc. Ent. Soc. Phil., vi, 206, 1866.

419. **couperii** GROTE, Bull. Buff. Soc., i, 185, 1874; SKINNER, C. no. 343. — No. U. S.

syn. *pembina* STRECKER, *afra* EDWARDS.

420. **lygdamas** DOUBLEDAY, Entom., 209, 1842; SKINNER, C. no. 344. — So. Atl. States.

a. **oro** SCUDDER, Can. Ent., viii, 23, 1876. — Col., Cal., N. Mex.

PHÆDROTES Scudder.

SCUDDER, Bull. Buff. Soc., iii, 115, 1876.

421. **sagittigera** FELDER, Reise Novara, Lep., ii, 281, 1865; SKINNER, C. no. 345. — Rocky Mts., Cal.

syn. *catalina* REAKIRT, *lorquinii* BEHR, *rhæa* BOISDUVAL, *viaca* EDWARDS, *daunia* EDWARDS.

*422. **speciosa** HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 173, 1876; SKINNER, C. no. 346. — So. Cal.

PHILOTES Scudder.

SCUDDER, Bull. Buff. Soc., iii, 116, 1876.

423. **sonorensis** FELDER, Reise Novara, Lep., ii, 281, 1865; SKINNER, C. no. 347. — So. Cal., Mex.

syn. *regia* BOISDUVAL.

AGRIADES Hübner.

HÜBNER, Verz. bek. Schmett., 68, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 105, 1875.

*424. **podarce** FELDER, Reise Novara, Lep., ii, 282, 1865; SKINNER, C. no. 348. — Cal., Nev., Col.

syn. *tehama* REAKIRT, *cilla* BEHR, *nestos* BOISDUVAL, *orbitulus* STRECKER.

425. **aquilo** BOISDUVAL, Icon., 62, 1833; SKINNER, C. no. 349. — Arctic Am.

syn. *franklinii* CURTIS.

426. **rustica** EDWARDS, Proc. Ent. Soc. Phil., iv, 203, 1865; SKINNER, C. no. 350. — Col., Brit. Am.

RUSTICUS Hübner.

HÜBNER, Tent., i, 1806; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 264, 1875.

*427. **enoptes** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 298, 1852; SKINNER, C. no. 351. — Pac. States.

428. **glaucon** EDWARDS, Trans. Am. Ent. Soc., iii, 210, 1871; SKINNER, C. no. 352. — Col.

429. **battoides** BEHR, Proc. Cal. Acad. Sci., iii, 282, 1867; SKINNER, C. no. 353. — Cal., Nev., Col.

430. **shasta** EDWARDS, Proc. Acad. Nat. Sci. Phil., 224, 1862; SKINNER, C. no. 354. — Pac. States, Rocky Mts.

syn. *zelmira* FELDER, *calchas* BEHR, *nivium* BOISDUVAL, *lupini* BEHR, *minehaha* SCUDDER.

431. **melissa** EDWARDS, Trans. Am. Ent. Soc., iv, 346, 1873; SKINNER, C. no. 355. — Rocky Mts.

432. **scudderi** EDWARDS, Proc. Acad. Nat. Sci. Phil., 164, 1861; SKINNER, C. no. 356. — Atl. States.

*433. **lotis** LINTNER, 30th Rept. N. Y. Sta. Mus., 169, 1879; SKINNER, C. no. 357. — Cal.

434. **acmon** DOUBLEDAY & HEWISTON, Gen. Diurn. Lep., pl. 76, 1852; SKINNER, C. no. 358. — Pac. States, Rocky Mts.

syn. *antiogon* BOISDUVAL.

*435. **aster** EDWARDS, Can. Ent., xiv, 194, 1882; SKINNER, C. no. 359. — Newfoundland.

436. **annetta** MEAD, Pap., ii, 48, 1882; SKINNER, C. no. 360. — Utah.

437. **anna** EDWARDS, Proc. Acad. Nat. Sci. Phil., 163, 1861; SKINNER, C. no. 361. — Pac. States, Col.

syn. *cajona* REAKIRT, *argyrotoxus* BEHR, *philemon* BOISDUVAL.

*438. **neurona** SKINNER, Ent. News, xiii, 15, 1902. Cal.

*439. **chlorina** SKINNER, Ent. News, xiii, 15, 1902. Cal.

CYANIRIS Dalman.

DALMAN, Vetensk. Akad. Handl., xxxvii, 63, 94, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 150, 1875.

440. **ladon** CRAMER, Pap. Exot., pl. 270, f. D, 1782; BUTLER, Can. Ent., xxxii, 91, 1900. U. S.

syn. *pseudargiolus* BOISDUVAL & LE CONTE, Lép. Am. Sept., 118, 1833; SKINNER, C. no. 362, *argiolus* SMITH & ABBOT, *intermedia* STRECKER, *echo* EDWARDS, *nigra* EDWARDS.

a. **lucia** KIRBY, Faun. Bor. Am., iv, 299, 1837.

b. **marginata** EDWARDS, Pap., iii, 86, 1883.

c. **violacea** EDWARDS, Proc. Ent. Soc. Phil., vi, 201, 1866.

d. **cinerea** EDWARDS, Pap., iii, 83, 1883.

e. **arizonensis** EDWARDS, Butt. E. U. S., ii, pl. 2, Lyc., f. 18, 1884.

f. **neglecta** EDWARDS, Proc. Acad. Nat. Sci. Phil., 56, 1862.

g. **piasus** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 299, 1852.

h. **gozora** BOISDUVAL, Lép. Guat., 17, 1870.

EVERES Hübner.

HÜBNER, Verz. bek. Schmett., 69, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 176, 1875.

441. **amyntula** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 294, 1852; SKINNER, C. no. 363. Pac. States.

a. **herrii** GRINNELL, Can. Ent., xxxiii, 192, 1901.

442. **comyntas** GODART, Enc. Méth., ix, 660, 1823; SKINNER, C. no. 364. Atl. States, Rocky Mts.

*443. **monica** REAKIRT, Proc. Acad. Nat. Sci. Phil., 244, 1866; SKINNER, C. no. 365. So. Cal.

HEMIARGUS Hübner.

HÜBNER, Verz. bek. Schmett., 69, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 186, 1875.

444. **isola** REAKIRT, Proc. Acad. Nat. Sci. Phil., 332, 1866; SKINNER, C. no. 366. Rocky Mts.

syn. *zachæina* BUTLER & DRUCE, *alce* EDWARDS.

445. **gyas** EDWARDS, Trans. Am. Ent. Soc., iii, 210, 1871; SKINNER, C. no. 367. Ariz.

*446. **cyna** EDWARDS, Trans. Am. Ent. Soc., ix, 3, 1881; SKINNER, C. no. 368. — Tex.

447. **hanno** STOLL, Pap. Exot., suppl., pl. 39, f. 2, 1790; SKINNER, C. no. 369. — Gulf States.
syn. *antibubastus* HÜBNER, *hamo* LUCAS, *pseudoptiletus* BOISDUVAL & LE CONTE, *astenidia* BOISDUVAL, *filenus* POEY.

448. **ammon** LUCAS, Sagra, Hist. Cuba, vi, 612, 1856; SKINNER, C. no. 372. — Fla., Cuba.

BREPHIDIUM Scudder.

SCUDDER, Bull. Buff. Soc., iii, 123, 1876.

449. **isophthalma** HERRICH-SCHAEFFER, Corr.-Blatt. zool.-min. Ver. Reg., xvi, 141, 1862; SKINNER, C. no. 370. — Fla., Ga.
syn. *pseudofea* MORRISON.

450. **exilis** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 294, 1852; SKINNER, C. no. 371. — S.-W. U. S., Col.
syn. *fea* EDWARDS.

LEPTOTES Scudder.

SCUDDER, Bull. Buff. Soc., iii, 124, 1876.

451. **marina** REAKIRT, Proc. Acad. Nat. Sci. Phil., 87, 1868; SKINNER, C. no. 373. — S.-W. U. S.

452. **theonus** LUCAS, Sagra, Hist. Cuba, vii, 611, 1856; SKINNER, C. no. 374. — Fla., Cuba.
syn. *cassius* MORRISON.

*453. **striata** EDWARDS, Field & Forest, iii, 86, 1877; SKINNER, C. no. 375. — Tex., Wis.

Family MEGATHYMIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., p. 99, 1898.)

MEGATHYMUS Scudder.

SCUDDER, Syst. Rev., 62, 1872; Proc. Am. Acad. Arts & Sci., x, 213, 1875.

454. **yuccæ** BOISDUVAL & LE CONTE, Lép. Am. Sept., pl. 70, 1833; SKINNER, C. no. 643. — So. States, Col., N. Mex.
syn. *coloradensis* RILEY.

455. **cofaqui** STRECKER, Proc. Acad. Nat. Sci. Phil., 148, 1876; SKINNER, C. no. 644. — So. States, Col.

456. **streckeri** SKINNER, Can. Ent., xxvii, 179, 1895; C. no. 645. — Col., Tex., Ariz.

457. **neumoegenii** EDWARDS, Pap., ii, 27, 1882; SKINNER, C. no. 645 (bis). — Ariz., Mex.

457. 1. **ursus** POLING, Ent. News, xiii, 97, 1902. — Ariz.

Family HESPERIIDÆ.

(C.=SKINNER, Syn. Cat. No. Am. Rhop., pp. 79–99, 1898.)

PYRRHOPYGA Hübner.

HÜBNER, Verz. bek. Schmett., 103, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x 261, 1875.

458. **araxes** HEWITSON, Desc. Hesp., ii, 3, 1867; SKINNER, C. no. 642. — Ariz., Mex.

AMBLYSCIRTES Scudder.

SCUDDER, Syst. Rev., 54, 1872; Proc. Am. Acad. Arts & Sci., x, 109, 1875.

459. **vialis** EDWARDS, Proc. Acad. Nat. Sci. Phil., 58, 1862; SKINNER, C. no. 565. — No. U. S.

*460. **nysa** EDWARDS, Can. Ent., ix, 191, 1877; SKINNER, C. no. 566. — Tex.
syn. *similis* STRECKER.

*461. **eos** EDWARDS, Trans. Am. Ent. Soc., iii, 276, 1871; SKINNER, C. no. 567. — So. States.

*462. **celia** SKINNER, Ent. News, vi, 113, 1895; C. no. 568. — Fla.

463. **samoset** SCUDDER, Proc. Ess. Ins., iii, 176, 1862; SKINNER, C. no. 569. — Atl. States.
syn. *hegon* SCUDDER, *nemoris* EDWARDS, *alternata* GROTE & ROBINSON.

464. **ænus** EDWARDS, Field & Forest, iii, 118, 1877; SKINNER, C. no. 570. — S.-W. U. S.

*465. **simius** EDWARDS, Trans. Am. Ent. Soc., ix, 6, 1881; SKINNER, C. no. 571. — So. Cal., Ariz.

466. **cassus** EDWARDS, Pap., iii, 71, 1883; SKINNER, C. no. 572. — Ariz.

467. **nanno** EDWARDS, Pap., ii, 142, 1882; SKINNER, C. no. 573. — Ariz.

468. **textor** HÜBNER, Zutr. exot. Schmett., f. 515, 1825; SKINNER, C. no. 574. — So. Atl. States.
syn. *oneko* SCUDDER, *wakulla* EDWARDS.

PAMPHILA Fabricius.

FABRICIUS, Ill. Mag., vi, 287, 1807; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 236, 1875.

469. **palæmon** PALLAS, Reise, i, 471, 1771; SKINNER, C. no. 465. — No. U. S., Eur.

syn. *paniscus* FABRICIUS, *brontes* DENIS & SCHIFFERMÜLLER, *mandan* EDWARDS, *mesapano* SCUDDER, *skada* EDWARDS.

*470. **floridæ** MABILLE, Bull. Soc. Ent. Fr., 67, 1876; SKINNER, C. no. 90. — (Unknown.)

POTANTHUS Scudder.

SCUDDER, Syst. Rev., 54, 1872; Proc. Am. Acad. Arts & Sci., x, 256, 1875.

471. **dara** KOLLAR, Hügel's Kashmir, iv, 455, 1848; SKINNER, C. no. 466. — Asia. U. S.

syn. *mæsoides* BUTLER, *omaha* EDWARDS, *mingo* EDWARDS, *californica* SCUDDER.

ANCYLOXYPHA Felder.

FELDER, Verh. zool.-bot. Ges. Wien, xii, 477, 1862; SCUDDER, Proc. Acad. Arts & Sci., x, 112, 1875.

472. **numitor** FABRICIUS, Ent. Syst., iii, 324, 1793; SKINNER, C. no. 467. — Atl. States.

syn. *puer* HÜBNER, *marginatus* HARRIS.

*473. **longleyi** FRENCH, Can. Ent., xxix, 80, 1897; SKINNER, C. no. 468. — Ill.

*474. **arene** EDWARDS, Trans. Am. Ent. Soc., iii, 214, 1871; SKINNER, C. no. 470. — Tex., Ariz.

COPÆODES Speyer.

SPEYER, Edwards Cat. Lep., 49, 56, 1877.

475. **procris** EDWARDS, Trans. Am. Ent. Soc., iii, 215, 1871; SKINNER, C. no. 469. — S.-W. U. S.

syn. *minima* EDWARDS, *candida* WRIGHT.

a. **waco** EDWARDS, Trans. Am. Ent. Soc., ii, 122, 1868.

476. **wrightii** EDWARDS, Can. Ent., xiv, 152, 1882; SKINNER, C. no. 471. — Cal.

477. **myrtis** EDWARDS, Pap., ii, 26, 1882; SKINNER, C. no. 472. — Ariz.

*478. **eunus** EDWARDS, Pap., i, 47, 1881; SKINNER, C. no. 473. — Cal.

OARISMA Scudder.

SCUDDER, Syst. Rev., 54, 1872; Proc. Am. Acad. Arts & Sci., x, 231, 1875.

479. **garita** REAKIRT, Proc. Ent. Soc. Phil., vi, 150, 1866; SKINNER, C. no. 474. — Col., Dak., Br. Am.
syn. *hylax* EDWARDS.

480. **powescheik** PARKER, Am. Ent., ii, 271, 1870; SKINNER, C. no. 475. — Ia., Ill. to Utah.

*481. **edwardsii** BARNES, Can. Ent., xxix, 42, 1897; SKINNER, C. no. 476. — Col.

POANES Scudder.

SCUDDER, Syst. Rev., 55, 1872; Proc. Am. Acad. Arts & Sci., x, 252, 1875.

482. **massasoit** SCUDDER, Proc. Ess. Ins., iii, 171, 1862; SKINNER, C. no. 477. — Atl. States, Col.
a. **suffusa** LAURENT, Ent. News, iii, 15, 1892.

ATRYTONE Scudder.

SCUDDER, Syst. Rev., 56, 1872; Proc. Am. Acad. Arts & Sci., x, 124, 1875.

483. **zabulon** BOISDUVAL & LE CONTE, Lép. Am. Sept., pl. 76, f. 6, 1833; SKINNER, C. no. 478. — So. Atl. States.

484. **hobomok** HARRIS, Ins. Inj. Veg., 313, 1862; SKINNER, C. no. 479. — Atl. States.
a. **pocahontas** SCUDDER, Proc. Ess. Ins., iii, 171, 1862.
syn. *quadraquina* SCUDDER.

485. **taxiles** EDWARDS, Trans. Am. Ent. Soc., ix, 5, 1881; SKINNER, C. no. 480. — S.-W. U. S.

*486. **ruricola** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 350, 1852; SKINNER, C. no. 481. — Cal.

ERYNNIS Schrank.

SCHRANK, Faun. Boica, ii, 1, 157, 1801; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 176, 1875.

487. **comma** LINNÆUS, Syst. Nat., 484, 1758; SKINNER, C. no. 482. — No. U. S., Pac. States, Rocky Mts., Eur.
syn. *virgula* RETZIUS.
a. **oregonia** EDWARDS, Can. Ent., xv, 150, 1883.
b. **columbia** SCUDDER, Syst. Rev., 56, 1872.
c. **colorado** SCUDDER, Mem. Bost. Soc. Nat. Hist., 349, 1874.

d. idaho EDWARDS, Can. Ent., xv, 148, 1883.

e. nevada SCUDDER, Mem. Bost. Soc. Nat. Hist., ii, 347, 1874.

f. assiniboia LYMAN, Can. Ent., xxiv, 57, 1892.

g. laurentina LYMAN, Can. Ent., xxv, 58, 1893.

h. manitoboides FLETCHER, Rept. Ent. Soc. Ont., 19, 86, 1888.

i. juba SCUDDER, Syst. Rev., 77, 1872.

k. viridis EDWARDS, Can. Ent., xv, 147, 1883.

l. manitoba SCUDDER, Mem. Bost. Soc. Nat. Hist., ii, 351, 1874.

488. **sassacus** HARRIS, Ins. Inj. Veg., 315, 1862; SKINNER, C. no. 483. — Atl. States.

*489. **harpalus** EDWARDS, Trans. Am. Ent. Soc., ix, 3, 1881; SKINNER, C. no. 484. — Nev.

490. **pawnee** DODGE, Can. Ent., vi, 44, 1884; SKINNER, C. no. 485. — Neb., Mont.

*491. **ottoe** EDWARDS, Proc. Ent. Soc. Phil., vi, 207, 1866; SKINNER, C. no. 486. — Neb., Ind. Ter., Ariz.

*492. **lasus** EDWARDS, Pap., iv, 54, 1884; SKINNER, C. no. 487. — So. Ariz.

*493. **cabelus** EDWARDS, Trans. Am. Ent. Soc., ix, 4, 1881; SKINNER, C. no. 488. — Nev., Cal.

494. **napa** EDWARDS, Proc. Ent. Soc. Phil., iv, 202, 1864; SKINNER, C. no. 489. — Col.

syn. *dacotah* EDWARDS.

*495. **scudderi** SKINNER, Ent. News, x, 111, 1899. — Col.

496. **metea** SCUDDER, Proc. Ess. Ins., iii, 177, 1862; SKINNER, C. no. 490. — Atl. States.

syn. *ridingsii* REAKIRT.

497. **rhesus** EDWARDS, Field & Forest, iii, 116, 1877; SKINNER, C. no. 491. — Col., Ariz.

498. **carus** EDWARDS, Can. Ent., xv, 34, 1883; SKINNER, C. no. 492. — Tex., Ariz.

499. **uncas** EDWARDS, Proc. Ent. Soc. Phil., ii, 19, 1863; SKINNER, C. no. 493. — Atl. States, Ariz.

*500. **licinus** EDWARDS, Trans. Am. Ent. Soc., iii, 276, 1871; SKINNER, C. no. 494. — Tex.

501. **attalus** EDWARDS, Trans. Am. Ent. Soc., iii, 276, 1871; SKINNER, C. no. 495. — So. Atl. States.

syn. *seminole* SCUDDER, *slossonæ* SKINNER.

*502. **yuma** EDWARDS, Trans. Am. Ent. Soc., iv, 346, 1873; SKINNER, C. no. 496. — Ariz.

ANTHOMASTER Scudder.

SCUDDER, Syst. Rev., 57, 1872; Proc. Am. Acad. Arts & Sci., x, 114, 1875.

503. **snowi** EDWARDS, Can. Ent., ix, 27, 1877; SKINNER, C. no. 497. — Rocky Mts.

504. **leonardus** HARRIS, Ins. Inj. Veg., 314, 1862; SKINNER, C. no. 498. — Atl. States.

*505. **meskei** EDWARDS, Can. Ent., ix, 58, 1877; SKINNER, C. no. 499. — Tex., Fla.
syn. *straton* EDWARDS.

506. **nemorum** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 314, 1852; SKINNER, C. no. 500. — Cal.
syn. *yreka* EDWARDS.

507. **sylvanoides** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 313, 1852; SKINNER, C. no. 501. — Pac. States, Col., Neb.
syn. *sonora* SCUDDER.

508. **agricola** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 314, 1852; SKINNER, C. no. 502. — Cal., Nev. Wash.

*509. **milo** EDWARDS, Can. Ent., xv, 34, 1883; SKINNER, C. no. 503. — Oreg.

*510. **pratincola** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 315, 1852; SKINNER, C. no. 504. — Cal., Wash.

*511. **verus** EDWARDS, Trans. Am. Ent. Soc., ix, 4, 1881; SKINNER, C. no. 505. — Cal.

HYLEPHILA Billberg.

BILLBERG, Enum. Ins., 81, 1820; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 193, 1875.

512. **campestris** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 316, 1852; SKINNER, C. no. 506. — Atl. States, Ariz., Cal.
syn. *huron* EDWARDS.

*513. **stigma** SKINNER, Can. Ent., xxviii, 188, 1896; C. no. 507. — Tex., N. Mex.

*514. **morrisonii** EDWARDS, Field & Forest, iii, 116, 1878; SKINNER, C. no. 508. — So. Cal., Ariz.

515. **phylæus** DRURY, Ill. Exot. Ent., i, pl. 13, f. 4, 1770; SKINNER, C. no. 509. — So. U. S., Mex.
syn. *augias* HÜBNER, *bucephalus* STEPHENS.

THYMELICUS Hübner.

Hübner, Verz. bek. Schmett., 113, 1816; Scudder, Proc. Am. Acad. Arts & Sci., x, 283, 1875.

516. **brettus** Boisduval & Le Conte, Lép. Am. Sept., pl. 75, 1833; Skinner, C. no. 510. — Atl. States.
syn. *wingina* Scudder.
a. **brettoides** Edwards, Pap., iii, 71, 1881; Skinner, C. no. 510.

*517. **chusca** Edwards, Trans. Am. Ent. Soc., iv, 346, 1873; Skinner, C. no. 511. — Ariz.

518. **draco** Edwards, Trans. Am. Ent. Soc., iii, 274, 1871; Skinner, C. no. 512. — Col., Brit. Am.

519. **otho** Smith & Abbot, Lep. Ins. Ga., i, 31, 1797; Skinner, C. no. 514. — Atl. States.
a. **egeremet** Scudder, Proc. Ess. Ins., iii, 174, 1862.
syn. *ætna* Scudder, *arsa* Worthington.

520. **mystic** Scudder, Proc. Ess. Ins., iii, 172, 1862; Skinner, C. no. 516. — Atl. States.

521. **siris** Edwards, Pap., i, 47, 1881; Skinner, C. no. 517. — Wash.

*522. **mardon** Edwards, Pap., i, 47, 1881; Skinner, C. no. 518. — Wash.

523. **cernes** Boisduval & Le Conte, Lép. Am. Sept., pl. 56, f. 1, 1833; Skinner, C. no. 519. — Atl. States.
syn. *ahaton* Harris, *taumas* Scudder.

*524. **alcina** Skinner, Ent. News, iv, 519, 1893; Skinner, C. no. 520 (=no. 554). — Col.

POLITES Scudder.

Scudder, Syst. Rev., 57, 1872; Proc. Am. Acad. Arts & Sci., x, 252, 1875.

525. **sabuleti** Boisduval, Ann. Soc. Ent. Fr., (2), x, 316, 1852; Skinner, C. no. 513. — Cal., N. Mex.

526. **peckius** Kirby, Faun. Bor. Am., iv, 300, 1837; Skinner, C. no. 515. — Atl. States.
syn. *wamsutta* Harris.

527. **baracoa** Lucas, Sagra, Hist. Cuba, vi, 650, 1857; Skinner, C. no. 521. — Fla., Cuba.
syn. *amadis* Herrich-Schaeffer, *mysus* French.

EUPHYES Scudder.

SCUDDER, Syst. Rev., 69, 1872; Proc. Am. Acad. Arts & Sci., x, 172, 1875.

528. **verna** EDWARDS, Proc. Acad. Nat. Sci. Phil., 57. 1862; SKINNER, C. no. 523. — Atl. States.
syn. *pottawattomie* WORTHINGTON.

529. **vestris** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 317. 1852. — U. S.
syn. *kiowah* REAKIRT, *osceola* LINTNER.
a. **metacomet** HARRIS, Ins. Inj. Veg., 317, 1862; SKINNER, C. no. 524.
syn. *rurea* EDWARDS.

530. **bellus** EDWARDS, Pap., iv, 57, 1884; SKINNER, C. no. 525. — So. Ariz.

531. **osyka** EDWARDS, Trans. Am. Ent. Soc., i, 228, 1867; SKINNER, C. no. 556. — Gulf States, Ind.

*532. **comus** EDWARDS, Trans. Am. Ent. Soc., v, 206, 1876; SKINNER, C. no. 557. — Tex., So. Col.
syn. *nilus* EDWARDS.

533. **eufala** EDWARDS, Trans. Am. Ent. Soc., ii, 311, 1869; SKINNER, C. no. 558. — Fla., Tex.

*534. **arabus** EDWARDS, Pap., ii, 26, 1882; SKINNER, C. no. 559. — Ariz.

535. **fusca** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 2, 1867; SKINNER, C. no. 560. — Atl. States.

*536. **oslari** SKINNER, Ent. News, x, 112, 1899. — Col.

537. **nereus** EDWARDS, Trans. Am. Ent. Soc., v, 205, 1876; SKINNER, C. no. 561. — Ariz.

LEREMA Scudder.

SCUDDER, Syst. Rev., 61, 1872; Proc. Am. Acad. Arts & Sci., x, 205, 1875.

538. **accius** SMITH & ABBOT, Lep. Ins. Ga., pl. 23. 1797; SKINNER, C. no. 526. — So. Atl. States.
syn. *monoco* SCUDDER, *nortonii* EDWARDS, *punctella* GROTE & ROBINSON.

*539. **loammi** WHITNEY, Can. Ent., viii, 76, 1876; SKINNER, C. no. 527. — Fla., N. C.
syn. *regulus* EDWARDS.

*540. **horus** EDWARDS, Trans. Am. Ent. Soc., iii, 277, 1871; SKINNER, C. no. 528. — Tex.

541. **deva** EDWARDS, Trans. Am. Ent. Soc., v, 292, 1876; SKINNER, C. no. 529. — So. Cal., Ariz.

542. **lunus** EDWARDS, Pap., iv, 56, 1884; SKINNER, C. no. 530. — So. Ariz.

543. **hianna** SCUDDER, Proc. Bost. Soc. Nat. Hist., xi, 382, 1868; SKINNER, C. no. 562. — Atl. States.

OLIGORIA Scudder.

SCUDDER, Syst. Rev., 61, 1872; Proc. Am. Acad. Arts & Sci., x, 232, 1875.

544. **maculata** EDWARDS, Proc. Ent. Soc. Phil., iv, 201, 1865; SKINNER, C. no. 531. — So. Atl. States.

*545. **drurii** LATREILLE, Enc. Méth., ix, 763, 1823; SKINNER, Ent. News, xii, 171, 1901. — Mex.

PRENES Scudder.

SCUDDER, Syst. Rev., 60, 1872; Proc. Am. Acad. Arts & Sci., x, 256, 1875.

546. **panoquin** SCUDDER, Proc. Ess. Ins., iii, 178, 1862; SKINNER, C. no. 532. — So. Atl. States.

syn. *ophis* EDWARDS.

*547. **panoquinoides** SKINNER, Ent. News, ii, 175, 1891; C. no. 533. — Fla.

548. **ocola** EDWARDS, Proc. Ent. Soc. Phil., ii, 20, 1863; SKINNER, C. no. 534. — So. Atl. States.

549. **errans** SKINNER, Ent. News, iii, 174, 1892; C. no. 535. — Cal.

CALPODES Hübner.

HÜBNER, Verz. bek. Schmett., 107, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 135, 1875.

*549. 1. **coscinia** HERRICH-SCHAEFFER, Corr.-Blatt. Regensb., xix, 54, 1865. — Mex., Tex.

550. **ethlius** CRAMER, Pap. Exot., iv, pl. 392, f. A, 1782; SKINNER, C. no. 536. — So. States.

syn. *chemnis* FABRICIUS, *olynthus* BOISDUVAL & LE CONTE.

551. **pittacus** EDWARDS, Pap., ii, 138, 1882; SKINNER, C. no. 537. — Ariz.

552. **python** EDWARDS, Pap., ii, 139, 1882; SKINNER, C. no. 538. — Ariz.

*553. **cestus** EDWARDS, Pap., iv, 57, 1884; SKINNER, C. no. 539. — So. Ariz.

*554. **rhena** EDWARDS, Field & Forest, iii, 115, 1877; SKINNER, C. no. 540. — So. Cal.

LIMOCHROES Scudder.

SCUDDER, Syst. Rev., 59, 1872; Proc. Am. Acad. Arts & Sci., x, 207, 1875.

555. **bimacula** GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 433, 1867; SKINNER, C. no. 541. — Atl. States.
syn. *acanootus* SCUDDER, *illinois* DODGE.

556. **pontiac** EDWARDS, Proc. Ent. Soc. Phil., ii, 17, 1863; SKINNER, C. no. 542. — Atl. States.
syn. *conspicua* EDWARDS, *orono* SCUDDER.

557. **manataaqua** SCUDDER, Proc. Ess. Ins., iii, 175, 1862; SKINNER, C. no. 522. — U. S.
syn. *cernes* HARRIS.

*558. **yehl** SKINNER, Ent. News, iv, 212, 1893; C. no. 543. — So. Atl. States.

559. **dion** EDWARDS, Can. Ent., xi, 238, 1879; SKINNER, C. no. 544. — Atl. States.

560. **arpa** BOISDUVAL & LE CONTE, Lép. Am. Sept., pl. 63, 1833; SKINNER, C. no. 548. — Gulf States.

561. **palatka** EDWARDS, Trans. Am. Ent. Soc., i, 287, 1867; SKINNER, C. no. 549. — Gulf States.

562. **byssus** EDWARDS, Can. Ent., xii, 224, 1880; SKINNER, C. no. 554. — Fla., Tex.

*563. **phylace** EDWARDS, Field & Forest, iii, 117, 1877; SKINNER, C. no. 555. — So. Cal., Ariz.

PHYCANASSA Scudder.

SCUDDER, Syst. Rev., 56, 1872; Proc. Am. Acad. Arts & Sci., x, 249, 1875.

564. **viator** EDWARDS, Proc. Ent. Soc. Phil., iv, 202, 1865; SKINNER, C. no. 563. — Atl. States.

*565. **carolina** SKINNER, Ent. News, iii, 222, 1892; C. no. 564. — N. C.

566. **vitellius** FABRICIUS, Ent. Syst., iii, 1, 327, 1793; SKINNER, C. no. 545. — Atl. States.
syn. *delaware* EDWARDS, *logan* EDWARDS, *hübneri* PLÖTZ.

*567. **streckeri** SKINNER, Ent. News, iv, 212, 1893. — Fla.

568. **howardi** SKINNER, Can. Ent., xxviii, 187, 1896. — Fla.

569. **aaroni** SKINNER, Ent. News, i, 6, 1890; C. no. 551. — So. Atl. States.

570. **melane** EDWARDS, Trans. Am. Ent. Soc., ii, 312, 1869; SKINNER, C. no. 552. — Cal., Mex.

*571. **lagus** EDWARDS, Trans. Am. Ent. Soc., ix, 5, 1881; SKINNER, C. no. 546. — Tex., Col.

572. **arogos** BOISDUVAL & LE CONTE, Lép. Am. Sept., pl. 76, f. 3, 1833; SKINNER, C. no. 553. — Gulf States, Ia., Neb.

syn. *iowa* SCUDDER.

ERYCIDES Hübner.

HÜBNER, Verz. bek. Schmett., 110, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 166, 1875.

573. **urania** WESTWOOD & HEWITSON, Gen. Diurn. Lep., 510, 1852; SKINNER, C. no. 638. — Tex., Mex.

syn. *texana* SCUDDER.

*574. **lilea** REAKIRT, Proc. Acad. Nat. Sci. Phil., 339, 1866; SKINNER, C. no. 639. — Tex., Mex.

syn. *albicilla* HERRICH-SCHAEFFER, *cruentus* SCUDDER, *sanguina* SCUDDER, *socius* BUTLER & DRUCE, *decolor* MABILLE.

575. **batabano** LEFÈBRE, Sagra, Hist. Cuba, vii, 624, 1867; SKINNER, C. no. 640. — Fla., Cuba.

syn. *mancinus* HERRICH-SCHAEFFER, *okeechobee* WORTHINGTON.

576. **amyntas** FABRICIUS, Syst. Ent., 533, 1775; SKINNER, C. no. 641; Ent. News, xii, 171, 1901. — Fla., Ariz., Mex.

syn. *lividus* HÜBNER, *savignyi* LATREILLE.

EUDAMUS Swainson.

SWAINSON, Ill., ii, 48, 1832; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 169, 1875.

577. **proteus** LINNÆUS, Syst. Nat., 484, 1758; SKINNER, C. no. 633. — Atl. States.

578. **simplicius** STOLL, Suppl. Cramer, Pap. Exot., pl. 39, f. 6, 1791; SKINNER, C. no. 634. — Tex., Ariz., Mex.

a. **eurycles** LATREILLE, Enc. Méth., ix, 730, 1823; SKINNER, Ent. News, xii, 171, 1901.

579. **dorantes** STOLL, Suppl. Cramer, Pap. Exot., pl. 172, pl. 39, f. 9, 1790; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 278, 1893. — Tex., Ariz.

syn. *protillus* HERRICH-SCHAEFFER, *amisus* HEWITSON, *rauterbergi* SKINNER, C. no. 635.

580. **albofasciatus** HEWITSON, Desc. Hesp., ii, no. 2, 1867; SKINNER, C. no. 636. — Tex., Ariz., Mex.

581. **dorus** EDWARDS, Pap., ii, 140, 1882; SKINNER, C. no. 637. — So. Ariz., Mex.

582. **zilpa** BUTLER, Lep. Exot., pl. 40, f. 2, 1872; SKINNER, Ent. News, xii, 171, 1901. — Ariz., So. Am.

583. **alcæus** HEWITSON, Desc. Hesp., 3, 1867; SKINNER, Ent. News, xii, 171, 1901. — Ariz., So. Am.

EPARGYREUS Hübner.

Hübner, Verz. bek. Schmett., 105, 1816; Scudder, Proc. Am. Acad. Arts & Sci., x, 163, 1875.

584. **tityrus** Fabricius, Syst. Ent., 532, 1775; Skinner, C. no. 632. — U. S.

HETEROPIA Mabille.

Mabille, Le Nat., xi, 68, 1889; Godman & Salvin, Biol. Cent. Am., Lep. Rhop., ii, 296, 1893.

*585. **melon** Godman & Salvin, Biol. Cent. Am., Lep. Rhop., ii, 297, 1893. — Ariz., Mex.

RHABDOIDES Scudder.

Scudder, Butt. E. U. S., iii, 1854, 1889.

586. **cellus** Boisduval & Le Conte, Lép. Am. Sept., pl. 73, 1833; Skinner, C. no. 629. — So. Atl. States.
syn. *festus* Hübner. — Ariz., Mex.

*587. **hesus** Westwood & Hewitson, Gen. Diurn. Lep., pl. 78, 1852; Skinner, C. no. 630. — Tex., Mex.

588. **zestos** Hübner, Zutr. exot. Schmett., f. 615, 1832; Skinner, C. no. 631. — Fla., So. Am.
syn. *oberon* Worthington.

PROTEIDES Hübner.

Hübner, Verz. bek. Schmett., 104, 1816.

589. **idas** Cramer, Pap. Exot., iii, pl. 260, f. A, 1782; Kirby, Cat. Diurn. Lep., 595, 1872; Barnes, Ent. News, x, 332, 1900. — Ariz., Mex.
syn. *mercurius* Fabricius.

TELEGONUS Hübner.

Hübner, Verz. bek. Schmett., 104, 1816; Godman & Salvin, Biol. Cent. Am., Lep. Rhop., ii, 305, 1893.

*590. **hahneli** Staudinger, Exot. Tagf., 291, 1888; Godman & Salvin, Biol. Cent. Am., Lep. Rhop., ii, 306, 1893; Skinner, Ent. News, xii, 171, 1901. — Mex.

ACHLARUS Scudder.

Scudder, Syst. Rev., 50, 1872; Proc. Am. Acad. Arts & Sci., x, 100, 1875.

591. **lycidas** Smith & Abbot, Lep. Ins. Ga., pl. 20, 1797; Skinner, C. no. 628. — Atl. States.
syn. *lyciades* Hübner.

THORYBES Scudder.

SCUDDER, Syst. Rev., 50, 1872; Proc. Am. Acad. Arts & Sci., x, 282, 1875.

592. **epigona** HERRICH-SCHAEFFER, Prodr., iii, 59, 1868; SKINNER, C. no. 627. — Tex., Ariz.
syn. *epigena* BUTLER, *orestes* LINTNER.

*593. **coyote** SKINNER, Can. Ent., xxiv, 164, 1892. — Tex.

594. **drusius** EDWARDS, Can. Ent., xv, 211, 1883; SKINNER, C. no. 625. — So. Ariz., Mex.

595. **outis** SKINNER, Ent. News, v, 332, 1894. — Tex.

596. **hippalus** EDWARDS, Pap., ii, 27, 1882; SKINNER, C. no. 623. — Ariz., Mex.

597. **caicus** HERRICH-SCHAEFFER, Prodr., iii, 68, 1868; SKINNER, C. no. 622. — Ariz., Mex.
syn. *schäfferi* PLÖTZ, *moschus* EDWARDS.

598. **æmilia** SKINNER, Ent. News, iv, 64, 1893; C. no. 621. — Oreg.

599. **bathyllus** SMITH & ABBOT, Lep. Ins. Ga., pl. 22, 1797; SKINNER, C. no. 620. — So. Atl. States.

600. **mexicana** HERRICH-SCHAEFFER, Prodr., iii, 68, 1868; SKINNER, C. no. 619. — Rocky Mts., Cal.
syn. *nevada* SCUDDER, *ananius* PLÖTZ.

601. **pylades** SCUDDER, Proc. Bost. Soc. Nat. Hist., xiii, 207, 1870; SKINNER, C. no. 618. — Atl. States.

*602. **electra** LINTNER, Can. Ent., xiii, 63, 1881; SKINNER, C. no. 617. — Ont.

ACHYLODES Hübner.

HÜBNER, Verz. bek. Schmett., 107, 1816; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 100, 1875.

603. **thraso** HÜBNER, Samml. exot. Schmett., i, 1806; SKINNER, C. no. 616. — Tex., Mex.
syn. *tamenund* EDWARDS.

*604. **asychis** CRAMER, Pap. Exot., iv, pl. 334, f. E, 1782; SKINNER, Ent. News, xii, 171, 1901. — Mex.

PHOLISORA Scudder.

SCUDDER, Syst. Rev., 51, 1872; Proc. Am. Acad. Arts & Sci., x, 249, 1875.

605. **catullus** FABRICIUS, Ent. Syst., iii, 348, 1793; SKINNER, C. no. 608. — U. S.

*606. **mexicana** REAKIRT, Proc. Acad. Nat. Sci. Phil., 334, 1866; SKINNER, C. no. 609. — Rocky Mts., Mex.

607. **pirus** EDWARDS, Field & Forest, iii, 119, 1878; SKINNER, C. no. 610. — Rocky Mts.

608. **ceos** EDWARDS, Pap., ii, 140, 1882; SKINNER, C. no. 611. — Ariz., Mex.

609. **hayhurstii** EDWARDS, Trans. Am. Ent. Soc., iii, 22, 1870; SKINNER, C. no. 612. — So. U. S.

610. **libya** SCUDDER, Bull. Geol. Surv. Terr., iv, 258, 1878; SKINNER, C. no. 613. — Utah, Cal.

611. **alpheus** EDWARDS, Trans. Am. Ent. Soc., v, 206, 1876; SKINNER, C. no. 614. — S.-W. U. S.

*612. **lena** EDWARDS, Can. Ent., xiv, 5, 1882; SKINNER, C. no. 615. — Mont.

SYSTASEA Butler.

BUTLER, in EDWARDS, Can. Ent., ix, 120, 1877; *Lintneria* EDWARDS (not BUTLER).

*613. **pulverulenta** FELDER, Verh. zool.-bot. Ges. Wien, 478, 1869; SKINNER, C. no. 607. — S.-W. U. S.

syn. *zampa* EDWARDS.

GRAIS Godman & Salvin.

GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 381, 1894.

*614. **stigmaticus** MABILLE, Bull. Soc. Ent. Belg., liv, 1883; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 381, 1894; BARNES, Ent. News, x, 331, 1900. — Ariz., Mex.

TIMOCHARES Godman & Salvin.

GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 417, 1896.

*615. **ruptifasciatus** PLÖTZ, Jahrb. Nass. Ver., xxxvii, 27, 1884; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 418, 1896; SKINNER, Ent. News, xii, 171, 1901. — Mex.

STAPHYLUS Godman & Salvin.

GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 429, 1896.

*616. **brennus** GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 434, 1896. — Mex.

THANAOS Boisduval.

BOISDUVAL, Icon., 240, 1832; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 279, 1875.

617. **brizo** BOISDUVAL & LE CONTE, Lép. Am. Sept., pl. 66, 1833; SKINNER, C. no. 586. — Atl. States, Col., Ariz.

618. **icelus** LINTNER, 23 Rept. N. Y. Sta. Cab. Nat. Hist., 162, 1872; SKINNER, C. no. 587. — Atl. States, Col., Ariz.

619. **somnus** LINTNER, Pap., i, 73, 1881; SKINNER, C. no. 588. — Fla.

620. **lucilius** LINTNER, 23 Rept. N. Y. Sta. Cab. Nat. Hist., 162, 1872; SKINNER, C. no. 589. — Atl. States.

621. **persius** SCUDDER, Proc. Ess. Ins., iii, 170, 1862; SKINNER, C. no. 590. — Atl. States, Rocky Mts.

*622. **ausonius** LINTNER, 23 Rept. N. Y. Sta. Cab. Nat. Hist., 166, 1872; SKINNER, C. no. 591. — Atl. States.

623. **afranius** LINTNER, 30 Rept. N. Y. Mus. Nat. Hist., 175, 1878; SKINNER, C. no. 592. — Col., Ariz.

624. **martialis** SCUDDER, Trans. Chic. Acad. Nat. Sci., i, 355, 1869; SKINNER, C. no. 593. — Atl. States, Col.

625. **juvenalis** FABRICIUS, Ent. Syst., iii, 339, 1793; SKINNER, C. no. 594. — Atl. States, Rocky Mts.

syn. *juvenis* HÜBNER, *costalis* DOUBLEDAY & HEWITSON, *ennius* SCUDDER & BURGESS.

626. **petronius** LINTNER, Pap., i, 70, 1881; SKINNER, C. no. 595. — Fla.

627. **horatius** SCUDDER & BURGESS, Proc. Bost. Soc. Nat. Hist., xiii, 301, 1870; SKINNER, C. no. 596. — So. Atl. States.

syn. *virgilius* SCUDDER & BURGESS.

628. **terentius** SCUDDER & BURGESS, Proc. Bost. Soc. Nat. Hist., xiii, 292, 1870; SKINNER, C. no. 597. — Atl. States.

syn. *ovidius* SCUDDER & BURGESS.

629. **propertius** LINTNER, Pap., i, 71, 1881; SKINNER, C. no. 598. — Pac. States.

*630. **nævius** LINTNER, Pap., i, 69, 1881; SKINNER, C. no. 599. — Fla.

631. **pacuvius** LINTNER, 30 Rept. N. Y. Sta. Mus. Nat. Hist., 172, 1878; SKINNER, C. no. 600. — Rocky Mts.

632. **tatius** EDWARDS, Pap., ii, 179, 1882; SKINNER, C. no. 601. — Ariz.

633. **clitus** EDWARDS, Pap., ii, 180, 1882; SKINNER, C. no. 602. — Ariz.

634. **funeralis** SCUDDER & BURGESS, Proc. Bost. Soc. Nat. Hist., xiii, 293, 1870; SKINNER, C. no. 603. — S.-W. U. S.

635. **tristis** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 311, 1852; SKINNER, C. no. 604. — Cal., Ariz.

*636. **tibullus** SCUDDER & BURGESS, Proc. Bost. Soc. Nat. Hist., xiii, 298, 1870; SKINNER, C. no. 605. — Cal.

*637. **plautus** SCUDDER & BURGESS, Proc. Bost. Soc. Nat. Hist., xiii, 304, 1870; SKINNER, C. no. 606. — Fla.

HELIOPETES Billberg.

BILLBERG, Enum. Ins., 81, 1820; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 444, 1897.

*638. **laviana** HEWITSON, Desc. Hesp., 48, 1868; GODMAN & SALVIN, Biol. Cent. Am., Lep. Rhop., ii, 448, 1897. — Mex.

syn. *pastor* FELDER, *leca* BUTLER.

HESPERIA Fabricius.

FABRICIUS, Ent. Syst., iii, 1, 258, 1793; SCUDDER, Proc. Am. Acad. Arts & Sci., x, 187, 1875.

639. **ericetorum** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 313, 1852; SKINNER, C. no. 575. — Pac. States.

syn. *alba* EDWARDS.

*640. **macaria** REAKIRT, Proc. Acad. Nat. Sci. Phil., 334, 1866; SKINNER, C. no. 576. — Ariz., Mex.

syn. *oceanus* EDWARDS, *loeutia* HEWITSON.

*641. **domicella** ERICHSON, Schomb. Reise, iii, 601, 1848; SKINNER, C. no. 577. — Ariz., Mex.

a. **nearchus** EDWARDS, Pap., ii, 26, 1882.

642. **tessellata** SCUDDER, Syst. Rev., 73, 1872; SKINNER, C. no. 578. — U. S.

syn. *communis* GROTE.

*643. **montivagus** REAKIRT, Proc. Acad. Nat. Sci. Phil., 46, 1866; SKINNER, C. no. 579. — Rocky Mts., Fla., Mex.

644. **centaureæ** RAMBUR, Faun. Ent. And., pl. 8, f. 10, 1839; SKINNER, C. no. 580. — No. Atl. States, Eur.

syn. *ruralis* BOISDUVAL, *wyandot* EDWARDS.

*645. **philetas** EDWARDS, Pap., i, 46, 1881; SKINNER, C. no. 581. — Tex.

646. **cæspitalis** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 312, 1852; SKINNER, C. no. 582. — Pac. States, Rocky Mts.

syn. *ricara* EDWARDS, *petreius* EDWARDS.

*647. **xanthus** EDWARDS, Field & Forest, iii, 142, 1877; SKINNER, C. no. 583. — Col.

*648. **scriptura** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 312, 1852; SKINNER, C. no. 584. — Cal., Ariz., Mont.

649. **nessus** EDWARDS, Can. Ent., ix, 192, 1877; SKINNER, C. no. 585. — So. Atl. States.
syn. *notabilis* STRECKER.

*650. **unna** PLÖTZ, Stett. ent. Zeit., xliv, 204, 1883; SKINNER, C. no. 90. — (Unknown).

651. **polingii** BARNES, Can. Ent., xxxii, 44, 1900. — Ariz.

*652. **syrichtus** FABRICIUS, Syst. Ent., 534, 1775; KIRBY, Cat. Diurn. Lep., 610, 1872; SKINNER, Ent. News, xii, 171, 1901. — Mex.
syn. *orcus* CRAMER, *oileus* WESTWOOD & HUMPHREYS, *tartarus* HÜBNER.

Superfamily SPHINGOIDEA.

Family SPHINGIDÆ.

(C. = SMITH, Trans. Am. Ent. Soc., xv, 49–242, 1888.)

HEMARIS Dalman.

DALMAN, Vet. Akad. Handl., 207, 1816; KIRBY, Cat. Lep. Het., i, 624, 1892.

*653. **diffinis** BOISDUVAL, Sp. Gén., i, pl. 15, fig. 2, 1836; SMITH, C. 95. — Atl. States.
syn. *æthra* STRECKER.

a. **axillaris** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 23, 1868; SMITH, C. 95.
syn. *marginalis* GROTE, *grotei* BUTLER.

b. **tenuis** GROTE, Bull. Buff. Soc., i, pl. 1, fig. 6, 1873; SMITH, C. 94.
syn. *fumosa* STRECKER, *metathetis* BUTLER.

c. **thetis** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 325, 1868; SMITH, C. 90–94. — No. Cal., Pac. N.-W.
syn. *rubens* HY. EDWARDS.

d. **cynoglossum** HY. EDWARDS, Proc. Cal. Acad. Sci., v, 88, 1876; SMITH, C. 91. — So. Cal.

e. **senta** STRECKER, Rep. Chief Eng., 1878, pl. 2, fig. 1; SMITH, C. 93. — Col., N. Mex.

f. **palpalis** GROTE, Bull. Buff. Soc., ii, 145, 1874; SMITH, C. 89. — Brit. Col.

654. **brucei** FRENCH, Can. Ent., xxii, 133, 1890. — Col., Utah.

655. **gracilis** GROTE & ROBINSON, Proc. Ent. Soc. Phil., v, 174, 1865; SMITH, C. 97. — Atl. States.

656. **thysbe** FABRICIUS, Syst. Ent., 548, 1775; SMITH, C. 98. — Atl. States, Miss. Vall.

syn. *pelasgus* CRAMER, *cimbiciformis* STEPHENS, *etolus* BOISDUVAL, *fuscicaudis* WALKER.

a. **ruficaudis** KIRBY, Faun. Bor. Am., iv, 303, 1837; SMITH, C. 103.

syn. *uniformis* GROTE & ROBINSON, *pyramus*, BOISDUVAL, *floridensis* GROTE & ROBINSON, *buffaloensis* GROTE.

LEPISESIA Grote.

GROTE, Proc. Ent. Soc. Phil., v, 38, 1865; SMITH, C. 109.

*657. **flavofasciata** WALKER, Cat. Brit. Mus., vii, 87, 1856; SMITH, C. 111. — Arct. Amer.

a. **ulalume** STRECKER, Lep. Rhop. Het., 135, pl. 15, fig. 3, 1878.

b. **rachel** BRUCE, Ent. News, xii, 19, 1901.

658. **phaeton** GROTE & ROBINSON, Proc. Ent. Soc. Phil., v, 178, 1865; SMITH, C. 112. — So. Cal.

syn. *errato* BOISDUVAL.

a. **euterpe** HY. EDWARDS, Ent. Amer., iv, 25, 1888; SMITH, C. 235.

659. **clarkiæ** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 318, 1852; SMITH, C. 112. — No. Cal. to Utah.

syn. *victoriæ* GROTE.

660. **gauræ** SMITH & ABBOT, Lep. Ins. Ga., i, 61, pl. 31, 1797; SMITH, C. 114. — So. States.

a. **circæ** HY. EDWARDS, Pap., ii, 9, 1882; SMITH, C. 114.

661. **juanita** STRECKER, Lep. Rhop. Het., 112, 1878; SMITH, C. 114. — Tex.

*662. **terlooïi** HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 90, 1875. — Mex., Ga.

663. **vega** DYAR. (Fore wings as *terlooii*, with an additional dark green band at base; hind wings as *juanita;* exp. 54 mm.) — N. Mex.

ÆLLOPOS Hübner.

HÜBNER, Verz. bek. Schmett., 131, 1822; KIRBY, Cat. Lep. Het., i, 634, 1892.

664. **tantalus** LINNÆUS, Syst. Nat., i, 493, 1758; SMITH, C. 119–121. — So. Amer., So. States occ

syn. *titan* CRAMER, *zonata* DRURY, *tripunctata* GOEZE, *annulosum* SWAINSON, *balteata* KIRTLAND.

a. **ixion** LINNÆUS, Syst. Nat., i, 493, 1758.

syn. *fadus* CRAMER.

TRIPTOGON Ménétries.

MENETRIES, Enum. Corp. An. Mus. Pet., Lep., ii, 94, 1859; KIRBY, Cat. Lep. Het., i, 644, 1892.

665. **lugubris** LINNÆUS, Mant. Plant., 537, 1771; SMITH, C. 123. — So. Am., Fla., occ. northw.

syn. *fagus* CRAMER, *camertus* CRAMER, *luctuosus* BOISDUVAL.

CALLIOMMA Walker.

WALKER, Cat. Lep. Het. B. M., viii, 101, 1856; KIRBY, Cat. Lep. Het., i, 646, 1892.

666. **pluto** FABRICIUS, Gen. Ins., 274, 1777; KIRBY, Cat. Lep. Het., i, 646, 1892. — So. Am., So. Fla.

syn. *thorates* HÜBNER, *crœsus* DALMAN.

AMPHION Hübner.

HÜBNER, Verz. bek. Schmett., 135, 1822; SMITH, C. 125.

667. **nessus** CRAMER, Pap. Exot., ii, pl. 107, f. D, 1777; SMITH, C. 125. — Atl. States, Miss. Vall.

SPHECODINA Blanchard.

BLANCHARD, Nat. Hist. Ins., iii, pl. 20, f. 4; KIRBY, Cat. Lep. Het., i, 638, 1892.

668. **abbotii** SWAINSON, Zool. Ill., i, pl. 60, 1821; SMITH, C. 129. — Atl. States, Miss. Vall.

DEIDAMIA Clemens.

CLEMENS, Jn. Acad. Nat. Sci. Phil., iv, 137, 1839; SMITH, C. 128.

669. **inscriptum** HARRIS, Am. Jour. Sci., xxxvi, 306, 1839; SMITH, C. 129. — Atl. States, Miss. Vall.

DEILEPHILA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 42, 1816, SMITH, C. 130.

670. **gallii** ROTTEMBURG, Naturf., vii, 107, 1775; KIRBY, Cat. Lep. Het., i, 665, 1892; SMITH, C. 131. — Eur., Asia, U. S.

syn. *epilobii* HARRIS, *intermedia* KIRBY, *canadensis* GUENÉE, *chamænerii* HARRIS.

671. **lineata** FABRICIUS, Syst. Ent., 541, 1775; SMITH, C. 133. — U. S.

syn. *daucus* CRAMER, *oxybaphi* CLEMENS.

THERETRA Hübner.

Hübner, Verz. bek. Schmett., 135, 1822; Kirby, Cat. Lep. Het., i, 649, 1902.

672. **tersa** Linnæus, Mant. Plant., ii, 538, 1771; Smith, C. 135. — So. States.

673. **porcus** Hübner, Samml. exot. Schmett., ii, 1824; Kirby, Cat. Lep. Het., i, 671, 1892. — So. Am., So. Fla.

ARGEUS Hübner.

Hübner, Verz. bek. Schmett., 134, 1822; Smith, C. 136.

674. **labruscæ** Linnæus, Syst. Nat., 491, 1758; Smith, C. 137. — So. Am., Fla., occ. northw.

syn. *clotho* Fabricius.

PACHYLIA Walker.

Walker, Cat. Brit. Mus., i, 189, 1856; Smith, C. 138.

675. **ficus** Linnæus, Syst. Nat., 491, 1758; Smith, C. 138. — So. Am., So. Fla.

syn. *crameri* Ménétries, *lynceu* Clemens, *venezuelensis* Schaufuss.

PHOLUS Hübner.

Hübner, Verz. bek. Schmett., 134, 1822; Kirby, Cat. Lep. Het., i, 668–670, 1892.

676. **linnei** Grote & Robinson, Proc. Ent. Soc. Phil., v, 157, 1865; Smith, C. 141. — So. Am., So. States.

677. **vitis** Linnæus, Syst. Nat., 491, 1758; Smith, C. 143. — So. Am., So. States.

syn. *jussieuæ* Hübner, *fasciatus* Sulzer.

678. **pandorus** Hübner, Samml. exot. Schmett., ii, 1824; Smith, C. 144. — East. & Cent. States.

syn. *ampelophaga* Boisduval.

679. **achemon** Drury, Ill. Exot. Ent., ii, 51, 1773; Smith, C. 145. — U. S.

syn. *crantor* Cramer.

680. **typhon** Klug, Neu. Schmett., pl. 3, f. 1, 1836; Kirby, Cat. Lep. Het., i, 668, 1892. — Mex., Ariz.

AMPELOPHAGA Bremer & Grey.

Bremer & Grey, Beitr. Sch.-Faun. Chin., 11, 1853; Smith, C. 146.

681. **chœrilus** Cramer, Pap. Exot., iii, 91, 1779; Smith, C. 147. — Atl. States, Miss. Vall.

syn. *clorinda* Martyn, *azaleæ* Smith & Abbot.

682. **myron** CRAMER, Pap. Exot., iii, 91, 1779; SMITH, C. 148. — Atl. States, Miss. Vall.

syn. *pampinatrix* SMITH & ABBOT.

a. **cnotus** HÜBNER, Zutr. exot. Schmett., ff. 321–2, 1823; SMITH, C. 148.

683. **versicolor** HARRIS, Am. Jour. Sci., xxxvi, 303, 1839; SMITH, C. 149. — Atl. States, Miss. Vall.

COCYTIUS Hübner.

HÜBNER, Verz. bek. Schmett., 140, 1822; KIRBY, Cat. Lep. Het., i, 686, 1892.

684. **antæus** DRURY, Ill. Exot. Ent., ii, 43, 1773; SMITH, C. 153. — Antilles, Fla.

syn. *jatropha* FABRICIUS, *annonæ* SHAW.

PSEUDOSPHINX Burmeister.

BURMEISTER, Verh. nat. Ges. Halle, 69, 1856; KIRBY, Cat. Lep. Het., i, 684, 1892.

685. **tetrio** LINNÆUS, Mant. Plant., 538, 1771; KIRBY, Cat. Lep. Het., i, 684, 1892. — So. Am., Antilles, Fla.

syn. *hasdrubal* STOLL, *rustica* SEPP.

DILOPHONOTA Burmeister.

BURMEISTER, Verh. nat. Ges. Halle, 69, 1856; SMITH, C. 154.

686. **ello** LINNÆUS, Syst. Nat., 491, 1758; SMITH, C. 156. — So. Am., Fla., occ. Northw.

687. **lassauxii** BOISDUVAL, Bull. Soc. Ent. Fr., (3), vii, 157, 1859; KIRBY, Cat. Lep. Het., i, 697, 1892; SCHAUS, Ent. News, vi, 144, 1895. — So. Am., Fla.

syn. *cercyon* BURMEISTER.

a. **merianæ** GROTE, Proc. Ent. Soc. Phil., v, 75, 1865; SMITH, C. 158.

syn. *omphalea* BOISDUVAL.

688. **alope** DRURY, Ill. Exot. Ent., i, pl. 27, f. 1, 1773; KIRBY, Cat. Lep. Het., i, 699, 1892; SMITH, C. 159; SCHAUS, Ent. News, vi, 144, 1895. — So. Am., Fla.

syn. *fasciata* SWAINSON, *flavicans* GOEZE, *edwardsii* BUTLER.

689. **caicus** CRAMER, Pap. Exot., ii, pl. 125, f. F, 1779; KIRBY, Cat. Lep. Het., i, 697, 1892. — So. Am., Fla.

690. **œnotrus** STOLL, Pap. Exot., iv, pl. 301, f. C, 1780; SMITH, C. 160; SCHAUS, Ent. News, ix, 136, 1898. — So. Am., Fla.

syn. *melancholica* GROTE, *janipha* BOISDUVAL, *cinerosa* GROTE, *piperis* BOISDUVAL.

691. **crameri** SCHAUS, Ent. News, ix, 136, 1898. — So. Am., Fla.

692. **obscura** FABRICIUS, Syst. Ent., 538, 1775; SMITH, C. 157. — So. Am., Fla., occ. northw.
syn. *sthenio* HÜBNER, *rhabus* BOISDUVAL.
a. **domingonis** BUTLER, Proc. Zool. Soc. Lond., 258, 1875; SMITH, C. 161.
syn. *festa* HY. EDWARDS.

CAUTETHIA Grote.

GROTE, Ann. Lyc. Nat. Hist. N. Y., viii, 202, 1867; KIRBY, Cat. Lep. Het., i, 699, 1892.

693. **noctuiformis** WALKER, Cat. Brit. Mus., viii, 232, 1856; KIRBY, Cat. Lep. Het., i, 699, 1892. — Antilles, So. Fla.
a. **grotei** HY. EDWARDS, Papilio, ii, 1882; SMITH, C. 163.

DILUDIA Grote & Robinson.

GROTE & ROBINSON, Proc. Ent. Soc. Phil., v, 188, 1865.

*694. **brontes** DRURY, Ill. Exot. Ent., ii, pl. 129, f. 4, 1773; KIRBY, Cat. Lep. Het., i, 681, 1892. — Antilles, So. Fla.
syn. *collaris* WALKER.

*695. **cubensis** GROTE & ROBINSON, Proc. Ent. Soc. Phil., v, 189, 1865; KIRBY, Cat. Lep. Het., i, 681, 1892. — Antilles, So. Fla.

PHLEGETHONTIUS Hübner.

HÜBNER, Verz. bek. Schmett., 140, 1822; KIRBY, Cat. Lep. Het., i, 687, 1892.

696. **quinquemaculata** HAWORTH, Lep. Brit., 59, 1803; SMITH, C. 165. — No. U. S.
syn. *celeus* HÜBNER.

697. **sexta** JOHANSSEN, Amœn. Acad., vi, 410, 1764; SMITH, C. 167. — So. Am., U. S.
syn. *carolina* LINNÆUS.

698. **rustica** FABRICIUS, Syst. Ent., 540, 1775; SMITH, C. 168. — So. Am., So. States.
syn. *chionanthi* SMITH & ABBOT.

699. **convolvuli** LINNÆUS, Syst. Nat., 490, 1758; KIRBY, Cat. Lep. Het., i, 690, 1892; MEYRICK, Faun. Hawai., i, 193, 1899. — Eur., Asia.
a. **cingulata** FABRICIUS, Syst. Ent., 545, 1775; SMITH, C. 170; DYAR, Ent. News, vi, 195, 1895. — So. Am., So. States, Hawaii.
syn. *affinis* GOEZE, *pungens* ESCHSCHOLTZ, *drurei* DONAVAN, *decolorata* HY. EDWARDS.

SPHINX Linnæus.

LINNÆUS, Syst. Nat., 489, 1758; KIRBY, Cat. Lep. Het., i, 690, 1892.

700. **kalmiæ** SMITH & ABBOT, Lep. Ins., Ga., i, 73, 1797; SMITH, C. 177. — Atl. States.

*700. 1. **franckii** NEUMOEGEN, Ent. News, iv, 133, 1893. — Mo.

701. **drupiferarum** SMITH & ABBOT, Lep. Ins. Ga., i, 71, 1797; SMITH, C. 177. — U. S.

a. **utahensis** HY. EDWARDS, Pap., i, 115, 1881.

702. **perelegans** HY. EDWARDS, Proc. Cal. Acad. Sci., v, 109, 1874; SMITH, C. 179. — Cal.

703. **gordius** STOLL, Pap. Exot., iii, pl. 247, f. B., 1780; SMITH, C. 180. — Atl. States, Miss. Vall

syn. *poecila* STEPHENS.

704. **luscitiosa** CLEMENS, Jn. Acad. Nat. Sci. Phil., iv, 172, 1859; SMITH, C. 181. — Atl. States.

705. **vancouverensis** HY. EDWARDS, Proc. Cal. Acad. Sci., v, 111, 1874; SMITH, C. 183. — West. States, Rocky Mts.

syn. *rashti* STRECKER.

a. **albescens** TEPPER, Bull. Brook. Ent. Soc., iv, 1, 1881; SMITH, C. 182.

706. **chersis** HÜBNER, Samml. exot. Schmett., ii, 1824; SMITH, C. 184. — U. S.

syn. *cinerea* HARRIS, *oreodaphne* HY. EDWARDS.

a. **libocedrus** HY. EDWARDS, Pap., iv, 115, 1881.

*707. **insolita** LINTNER, Pap., iv, 145, 1884; SMITH, C. 186. — Tex.

708. **pinastri** LINNÆUS, Syst. Nat., 492, 1758; SMITH, C. 186. — Europe, U. S.?

syn. *saniptri* STRECKER.

709. **sequoiæ** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 86, 1868; SMITH, C. 188. — Cal.

*710. **dollii** NEUMOEGEN, Pap., i, 149, 1881; SMITH, C. 189. — Ariz.

711. **coloradus** SMITH, Ent. Amer., iii, 153, 1887; C. 189. — Col.

712. **elsa** STRECKER, Lep. Rhop. Het., 126, 1878; SMITH, C. 189. — Ariz., Utah.

713. **canadensis** BOISDUVAL, Sp. Gén. Het., 93, 1875; SMITH, C. 190. — No. Atl. States.

syn. *plota* STRECKER.

*714. **eremitoides** STRECKER, Lep. Rhop. Het., 93, 1874; SMITH, C. 191. — S.-W. States.

715. **andromeda** BOISDUVAL, Lép. Guat., 74, 1870; SMITH, C. 191; SCHAUS, Ent. News, vi, 142, 1895. — S.-W. States.
syn. *separatus* NEUMOEGEN.

*715. 1. **lugens** WALKER, Cat. Brit. Mus., viii, 219, 1856; SCHAUS, Ent. News, vi, 143, 1895. — U. S.?

716. **eremitus** HÜBNER, Samml. exot. Schmett., ii, 1824; SMITH, C. 193. — Atl. States.
syn. *sordida* Harris.

717. **plebeia** FABRICIUS, Gen. Ins., 273, 1777; SMITH, C. 194. — Atl. States.

*718. **cupressi** BOISDUVAL, Sp. Gén. Het., i, 102, 1875; SMITH, C. 195. — So. States.

DOLBA Walker.

WALKER, Cat. Brit. Mus., viii, 229, 1856; SMITH, C. 195.

719. **hylæus** DRURY, Ill. Exot. Ent., ii, 45, 1773; SMITH, C. 196. — Atl. States.
syn. *primi* SMITH & ABBOT.

CHLÆNOGRAMMA Smith.

SMITH, Ent. Amer., iii, 154, 1887; C. 197.

720. **jasminearum** BOISDUVAL, Icon. Règ. An. Ins., 494, 1844; SMITH, C. 199. — Atl. States.

CERATOMIA Harris.

HARRIS, Am. Jn. Sci., xxxvi, 286, 1839; SMITH, C. 200.

721. **amyntor** GEYER, Zutr. exot. Schmett., iii, 1824; SMITH, C. 201. — Atl. States, Miss. Vall.
syn. *quadricornis* HARRIS.

722. **undulosa** WALKER, Cat. Brit. Mus., viii, 231, 1856; SMITH, C. 203. — Atl. States, Miss. Vall.
syn. *repentinus* CLEMENS.

723. **hageni** GROTE, Bull. Buff. Soc., ii, 149, 1874; SMITH, C. 204. — Tex.

724. **catalpæ** BOISDUVAL, Sp. Gén. Het., i, 103, 1875; SMITH, C. 205. — So. States.

LAPARA Walker.

WALKER, Cat. Brit. Mus., viii, 232, 1856; *Ellema* CLEMENS; Smith, C. 206.

725. **bombycoides** WALKER, Cat. Brit. Mus., viii, 232. 1856; SMITH, C. 205. — Atl. States. Miss. Vall.

syn. *harrisii* CLEMENS.

a. **pinetum** LINTNER, Ent. Cont., i, 37, 1872; SMITH, C. 209.

726. **coniferarum** SMITH & ABBOT, Lep. Ins. Ga., i, 83, 1797; SMITH, C. 210. — So. States.

syn. *cana* MARTYN.

EXEDRIUM Grote.

GROTE, Check List, 11, 1882; SMITH, C. 211.

*727. **halicarniæ** STRECKER, Bull. Brook. Ent. Soc., iii, 35, 1880; SMITH, C. 211. — Fla.

MARUMBA Moore.

MOORE, Lep. Ceylon, ii, 8, 1882; KIRBY, Cat. Lep. Het., i, 706, 1892.

728. **modesta** HARRIS, Am. Journ. Sci., xxxvi, 292, 1839; SMITH, C. 216. — U. S.

syn. *princeps* WALKER, *populicola* BOISDUVAL, *cablei* VON REIZENSTEIN, *occidentalis* HY. EDWARDS.

a. **imperator** STRECKER, Lep. Rhop. Het., 125, 1878; SMITH, C. 217.

SMERINTHUS Latreille.

LATREILLE, Hist. Nat. Ins., iv, 209, 1802; SMITH, C. 218.

729. **jamaicensis** DRURY, Ill. Exot. Ent., ii, 43, 1773; SMITH, C. 219. — Atl. States.

syn. *geminatus* SAY, *tripartitus* GROTE.

730. **cerysii** KIRBY, Faun. Bor. Amer., iv, 301, 1827; SMITH, C. 223. — No. Atl. States.

a. **astarte** STRECKER, Proc. Acad. Nat. Sci. Phil., 36, 283, 1884; SMITH, C. 223. — Col.

b. **ophthalmicus** BOISDUVAL, Ann. Soc. Ent. Fr., xii, 67, 1869; SMITH, C. 221. — No. Pac. States.

syn. *pallidulus* HY. EDWARDS, *vancouverensis* BUTLER.

PAONIAS Hübner.

HÜBNER, Verz. bek. Schmett., 142, 1822; KIRBY, Cat. Lep. Het., 712, 1892; SMITH, C. 226.

731. **excæcatus** SMITH & ABBOT, Lep. Ins. Ga., i, 49, 1797; SMITH, C. 226. — Atl. States.
syn. *paeonia* GEYER.

732. **myops** SMITH & ABBOT, Lep. Ins. Ga., i, 51, 1797; SMITH, C. 227. — Atl. States, Miss. Vall.
syn. *rosaceatrum* BOISDUVAL.

733. **astylus** DRURY, Ill. Exot. Ent., ii, 45, 1773; SMITH, C. 228. — Atl. States.
syn. *integerrima* HARRIS, *io* BOISDUVAL.

CRESSONIA Grote & Robinson.

GROTE & ROBINSON, Proc. Ent. Soc. Phil., v, 161, 1865; SMITH, C. 229.

734. **juglandis** SMITH & ABBOT, Lep. Ins. Ga., i, 57, 1797; SMITH, C. 230; KIRBY, Cat. Lep. Het., i, 713, 1892. — Atl. States, Miss. Vall.
syn. *robinsonii* BUTLER, *pallens* STRECKER, *hyperbola* SLOSSON.

ARCTONOTUS Boisduval.

BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 319, 1852; SMITH, C. 232.

735. **lucidus** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 319, 1852; SMITH, C. 232; KIRBY, Cat. Lep. Het., i, 714, 1892. — Pac. States.

Superfamily SATURNOIDEA.

Family SATURNIIDÆ.

(C.=SMITH, Proc. U. S. Nat. Mus., 414–437, 1886; NEUMOEGEN & DYAR, Journ. N. Y. Ent. Soc., ii, 121–132, 1894.)

PHILOSAMIA Grote.

GROTE, Proc. Am. Phil. Soc., xiv, 258, 1874; KIRBY, Cat. Lep. Het., i, 748, 1892.

736. **cynthia** DRURY, Ill. Exot. Ent., ii, pl. 6, f. 2, 1773; SMITH, C. 146; NEUMOEGEN & DYAR, C. 121; HAMPSON, Moths Ind., i, 16, 1892. — Japan to Java, Atl. coast cities.
syn. *aurotus* FABRICIUS, *insularis* VOLLENHOVEN, *vesta* WALKER, *cunningii* WALKER, *walkeri* FELDER, *pryeri* BUTLER.

ROTHSCHILDIA Grote.

GROTE, Verh. Ges. deutsch. Nat. Aerzte, 68, 2 div., 1 Heft, 204, 1897.

737. **orizaba** WESTWOOD, Proc. Zool. Soc. Lond., 158, 1853; KIRBY, Cat. Lep. Het., i, 747, 1892. — Mex., Ariz.

738. **jorulla** WESTWOOD, Proc. Zool. Soc. Lond., 159, 1853; NEUMOEGEN & DYAR, C. 122. — Mex., Ariz.
syn. *cinctus* TEPPER.

SAMIA Hübner.

HÜBNER, Verz. bek. Schmett., 156, 1822; NEUMOEGEN & DYAR, C. 123.

739. **cecropia** LINNÆUS, Syst. Nat., i, 447, 1758; SMITH, C. 427. — Atl. States.

740. **gloveri** STRECKER, Lep. Rhop. Het., i, 1, 1872; SMITH, C. 425. — Rocky Mts., Ariz.
a. **reducta** NEUMOEGEN, Ent. News, ii, 152, 1891; NEUMOEGEN & DYAR, C. 123.

741. **columbia** SMITH, Proc. Bost. Soc. Nat. Hist., ix, 343, 1865; C. 424. — N. Atl. States.

742. **rubra** BEHR, Proc. Cal. Acad. Sci., i, 46, 1855; NEUMOEGEN & DYAR, C. 124. — Pac. States.
syn. *euryalus* BOISDUVAL, *californica* GROTE, *ceanothi* BEHR.

CALLOSAMIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 379, 1864; NEUMOEGEN & DYAR, C. 124.

743. **calleta** WESTWOOD, Proc. Zool. Soc. Lond., 166, 1853; NEUMOEGEN & DYAR, C. 124. — Mex., Ariz.
syn. *polyommata* TEPPER.

744. **promethia** DRURY, Ill. Exot. Ent., ii, pl. 11, f. 1, 1773; SMITH, C. 423. — Atl. States.

745. **angulifera** WALKER, Cat. Brit. Mus., v, 1224, 1855; SMITH, C. 424. — Atl. States.

AGAPEMA Neumoegen & Dyar.

NEUMOEGEN & DYAR, Journ. N. Y. Ent. Soc., ii, 125, 1894.

746. **galbina** CLEMENS, Proc. Acad. Nat. Sci. Phil., 156, 1860; SMITH, C. 431. — Mex., Ariz.

TROPÆA Hübner.

HÜBNER, Verz. bek. Schmett., 152, 1822; KIRBY, Cat. Lep. Het., i, 765, 1892.

747. **luna** LINNÆUS, Syst. Nat., 496, 1758; SMITH, C. 429. — Atl. States, Miss. Vall.

a. **dictynna** WALKER, Cat. Brit. Mus., vi, 1264, 1855.

b. **rossi** ROSS, Cat. Lep. Can., 5, note, 1872; NEUMOEGEN & DYAR, C. 126.

TELEA Hübner.

HÜBNER, Verz. bek. Schmett., 154, 1822; SMITH, C. 429.

748. **polyphemus** CRAMER, Pap. Exot., i, pl. 5, f. A, 1775; SMITH, C. 430; NEUMOEGEN & DYAR, C. 126. — U. S.

syn. *paphia* LINNÆUS, *fenestra* PERRY, *oculea* NEUMOEGEN.

SATURNIA Schrank.

SCHRANK, Faun. Boica, ii, (1), 149; NEUMOEGEN & DYAR, C. 126.

749. **mendocino** BEHRENS, Can. Ent., viii, 149, 1876; SMITH, C. 432. — No. Cal.

AUTOMERIS Hübner.

HÜBNER, Verz. bek. Schmett., 154, 1822; NEUMOEGEN & DYAR, C. 127.

*750. **zelleri** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 193, 1868; SMITH, C. 434. — Mex.,? Tex.?

751. **pamina** NEUMOEGEN, Pap., ii, 60, 1882; SMITH, C. 435; NEUMOEGEN & DYAR, C. 127. — Ariz., Mex.

a. **aurosea** NEUMOEGEN, Pap., ii, 61, 1882.

syn. *boucardi* DRUCE, Biol. Cent. Am., Lep. Het., i, 178, pl. 17, f. 5, 1886.

*752. **zephyria** GROTE, Can. Ent., xiv, 215, 1882; SMITH, C. 436. — N. Mex.

753. **io** FABRICIUS, Syst. Ent., 560, 1775; SMITH, C. 434; NEUMOEGEN & DYAR, C. 128. — Eastern U. S., Mex.

syn. *corollaria* PERRY, *varia* WALKER, *fabricii* BOISDUVAL, *argus* NEUMOEGEN & DYAR.

a. **lilith** STRECKER, Lep. Rhop. Het., 139, 1878.

THAUMA Hy. Edwards.

HY. EDWARDS, Proc. Cal. Acad. Sci., v, 265, 1875; NEUMOEGEN & DYAR, C. 128.

754. **socialis** FEISTHAMEL, Mag. Zool., pl. 20, f. 1, 1839; NEUMOEGEN & DYAR, C. 128. — Peru, Chile, Brit. Col.?

syn. *angulifera* WALKER, *ribis* HY. EDWARDS.

COLORADIA Blake.

BLAKE, Proc. Ent. Soc. Phil., ii, 279, 1863; SMITH, C. 436.

755. **pandora** BLAKE, Proc. Ent. Soc. Phil., ii, 279. 1863; NEUMOEGEN & DYAR, C. 129. — Rocky Mts.
   a. **doris** BARNES, Can. Ent., xxxii, 46, 1900.

HEMILEUCA Walker.

WALKER, Cat. Brit. Mus., v, 1319, 1855; NEUMOEGEN & DYAR, C. 129.

756. **electra** WRIGHT, Pap., iv, 19, 1884; NEUMOEGEN & DYAR, C. 129. — So. Cal.

757. **maia** DRURY, Ill. Exot. Ent., ii, pl. 24, f. 3, 1773; NEUMOEGEN & DYAR, C. 130. — Atl. States, Col.
   syn. *proserpina* FABRICIUS.
   a. **lucina** HY. EDWARDS, Ent. Am., ii, 14, 1887.

758. **nevadensis** STRETCH, Zyg. Bomb. N. A., 108, 1872; NEUMOEGEN & DYAR, C. 130. — Rocky Mts. to Pacific.
   syn. *californica* WRIGHT, *artemis* PACKARD.

759. **juno** PACKARD, Rep. Peab. Acad. Sci., iv, 87, 1872; NEUMOEGEN & DYAR, C. 130. — Mex., Ariz.
   syn. *yavapai* NEUMOEGEN.

*760. **grotei** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 192, 1868; NEUMOEGEN & DYAR, C. 131. — Col., Tex.
   syn. *diana* PACKARD.

761. **neumoegenii** HY. EDWARDS, Pap., i, 171, 1881; NEUMOEGEN & DYAR, C. 131. — Ariz., Cal.

762. **tricolor** PACKARD, Rep. Peab. Acad., iv, 89, 1872; NEUMOEGEN & DYAR, C. 131. — N. Mex.

763. **hualapai** NEUMOEGEN, Pap., iii, 138, 1883; NEUMOEGEN & DYAR, C. 131. — Ariz., Mex.
   a. **sororius** HY. EDWARDS, Pap., i, 100, 1881; NEUMEOGEN & DYAR, C. 129, note.
   b. **oliviae** COCKERELL, Psyche, viii, 252, 1898.

PSEUDOHAZIS Grote & Robinson.

GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 377, 1866; NEUMOEGEN & DYAR, C. 131.

764. **eglanterina** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 323, 1852; NEUMOEGEN & DYAR, C. 132. — Rocky Mts. to Ariz.
   syn. *arizonensis* STRECKER.
   a. **nuttalli** STRECKER, Lep. Rhop. Het., 107, 1875.

765. **shastaensis** BEHRENS, No. Am. Ent., i. 62, 1880; NEUMOEGEN & DYAR, C. 132. — Pac. States, Col.

a. **denudata** NEUMOEGEN, Can. Ent., xxiii, 145, 1891.

766. **hera** HARRIS, Rep. Ins. Mass., 286, 1841; NEUMOEGEN & DYAR, C. 132. — W. Col., Utah, E. Or.

syn. *picta* WALKER.

a. **marcata** NEUMOEGEN, Can. Ent., xxiii, 146, 1891; NEUMOEGEN & DYAR, C. 132.

HYLESIA Hübner.

HÜBNER, Verz. bek. Schmett., 186, 1822.

766. 1. **alinda** DRUCE, Biol. Cent. Am., Lep. Het., i. 197, 1886. — Mex., Ariz.

Family CERATOCAMPIDÆ.

(C.=NEUMOEGEN & DYAR, Journ. N. Y. Ent. Soc., ii, 147–152, 1894.)

ANISOTA Hübner.

HÜBNER, Verz. bek. Schmett., 193, 1822; NEUMOEGEN & DYAR, C. 147.

767. **stigma** FABRICIUS, Syst. Ent., 563, 1775; NEUMOEGEN & DYAR, C. 147. — Atl. States.

768. **senatoria** SMITH & ABBOT, Lep. Ins. Ga., pl. 57, 1797; NEUMOEGEN & DYAR, C. 147. — Atl. States.

769. **consularis** DYAR, Journ. N. Y. Ent. Soc., iv, 166, 1896. — Fla.

770. **virginiensis** DRURY, Ill. Exot. Ent., ii, pl. 13, f. 2, 1773; NEUMOEGEN & DYAR, C. 148. — Atl. States.

syn. *astymone* OLIVIER, *pellucida* HERRICH-SCHAEFFER.

771. **rubicunda** FABRICIUS, Syst. Ent., 429, iii, (1), 1793; NEUMOEGEN & DYAR, C. 148. — Atl. States.

a. **alba** GROTE, Bull. Buff. Soc., ii, 183, 1874.

syn. *pallida* BOWLES.

ADELOCEPHALA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Auss. Schmett., i, 9, 1855; KIRBY, Cat. Lep. Het., i, 741, 1892; DYAR, Proc. Ent. Soc. Wash., iv, 427, 1901.

772. **bicolor** HARRIS, Rep. Ins. Mass., 203, 1841; NEUMOEGEN & DYAR, C. 148. — Miss. Val.

syn. *distigma* WALSH.

a. **suprema** NEUMOEGEN, Ent. Amer., i, 94, 1885; NEUMOEGEN & DYAR, C. 149.

b. **immaculata** JEWETT, Pap., ii, 144, 1882.

SYSSPHINX Hübner.

Hübner, Verz. bek. Schmett., 143, 1822; Kirby, Cat. Lep. Het., i, 741, 1892; Dyar, Proc. Ent. Soc. Wash., iv, 428, 1901.

773. **quadrilineata** Grote & Robinson, Trans. Am. Ent. Soc., i, 11, 1867; Neumoegen & Dyar, C. 149. — Miss. Val.

774. **bisecta** Lintner, Can. Ent., xi, 10, 1879; Neumoegen & Dyar, C. 149. — Tex.

syn. *nebulosa* Neumoegen.

775. **heiligbrodti** Harvey, Can. Ent., ix, 110, 1871; Neumoegen & Dyar, C. 149. — Ariz.

a. **hubbardi** Dyar (dark stone-gray instead of pale gray).

CITHERONIA Hübner.

Hübner, Verz. bek. Schmett., 153, 1822; Neumoegen & Dyar, C. 150.

776. **regalis** Fabricius, Syst. Nat., iii, (1), 436, 1793; Neumoegen & Dyar, C. 150. — Atl. States.

syn. *regia* Smith & Abbot.

a. **infernalis** Strecker, Pap., iv, 73, 1883.

b. **saengeri** Neumoegen, Ent. News, ii, 151, 1891.

777. **sepulchralis** Grote & Robinson, Proc. Ent. Soc. Phil., iv, 222, 1865; Neumoegen & Dyar, C. 151. — Atl. States.

BASILONA Boisduval.

Boisduval, Ann. Soc. Ent. Fr., (4), viii, 314, 1868; Neumoegen & Dyar, C. 151.

778. **imperialis** Drury, Ill. Exot. Ent., i, pl. 9, f. 1, 1773; Neumoegen & Dyar, C. 151. — Atl. States.

syn. *imperatoria* Smith & Abbot, *punctatissima* Neumoegen.

a. **didyma** de Beauvois, Ins. Afr. Amér., 52, pl. 20, 1805; Neumoegen & Dyar, C. 157.

b. **nobilis** Neumoegen, Ent. News, ii, 150, 1891.

Superfamily BOMBYCOIDEA.

Family SYNTOMIDÆ.

(C.=Hampson, Cat. Lep. Phal. Brit. Mus., i, 1898.)

COSMOSOMA Hübner.

Hübner, Samml. exot. Schmett., ii, 1827; Hampson, C. 225.

779. **auge** Linnæus, Syst. Nat., i, (2), 807, 1767; Hampson, C. no. 477. — So. Am., Mex., Fla.

syn. *omphale* Hübner, *melita* Möschler.

SYNTOMEIDA Harris.

HARRIS, Am. Jn. Sci., xxxvi, 316, 1839; HAMPSON, C. 305.

780. **ipomeæ** HARRIS, Am. Jn. Sci., xxxvi, 316, 1839; HAMPSON, C. no. 679. — So. States.
syn. *ferox* WALKER, *euterpe* HERRICH-SCHAEFFER.

781. **epilais** WALKER, Cat. Brit. Mus., i, 227, 1854; HAMPSON, C. no. 680. — Fla., So. Am.

PSEUDOMYA Hübner.

HÜBNER, Verz. bek. Schmett., 124, 1827; HAMPSON, C. 262.

782. **minima** GROTE, Proc. Ent. Soc. Phil., vi, 298, 1867; HAMPSON, C. no. 569. — Cuba, Fla.

DIDASYS Grote.

GROTE, Can. Ent., vii, 174, 1875; HAMPSON, C. 360.

783. **belæ** GROTE, Can. Ent., vii, 145, 1875; HAMPSON, C. no. 797. — Fla.

HORAMA Hübner.

HÜBNER, Verz. bek. Schmett., 124, 1827; HAMPSON, C. 417.

784. **texana** GROTE, Proc. Ent. Soc. Phil., vi, 184, 1867; HAMPSON, C. no. 928. — Cent. Am., Mex., Tex.

EUCEREON Hübner.

HÜBNER, Verz. bek. Schmett., 123, 1827; HAMPSON, C. 485.

785. **confine** HERRICH-SCHAEFFER, Ausser. Schmett., f. 277, 1855; HAMPSON, C. no. 1117. — Cent. Am., Mex., Fla.
syn. *carolina* HY. EDWARDS.

LYMIRE Walker.

WALKER, Cat. Brit. Mus., ii, 489, 1854; HAMPSON, C. 414.

786. **edwardsi** GROTE, Pap., i, 4, 1881; HAMPSON, C. no. 923. — Fla.

SCEPSIS Walker.

WALKER, Cat. Brit. Mus., ii, 285, 1854; HAMPSON, C. 520.

787. **fulvicollis** HÜBNER, Samml. exot. Schmett., i, 1827; HAMPSON, C. no. 1148. — Atl. States to Rocky Mts.
syn. *semidiaphana* HARRIS.
a. **pallens** HY. EDWARDS, Ent. Amer., ii, 8, 1886.

788. **packardii** GROTE, Proc. Ent. Soc. Phil., iv, 318, 1865. — No. Pac. States.

syn. *matthewi* GROTE.

789. **wrightii** STRETCH, Ent. Amer., i, 101, 1885; HAMPSON, C. no. 1149. — Cal.

a. **gravis** HY. EDWARDS, Ent. Amer., ii, 8, 1886.

LYCOMORPHA Harris.

HARRIS, Am. Jn. Sci., xxxvi, 317, 1839; HAMPSON, C. 522.

790. **grotei** PACKARD, Proc. Essex Ins., iv, 47, 1864; HAMPSON, C. no. 1152. — Rocky Mts., Tex.

syn. *palmeri* PACKARD.

a. **pulchra** DYAR, Jn. N. Y. Ent. Soc., vi, 34, 1898.

*791. **fulgens** HY. EDWARDS, Pap., i, 116, 1881; HAMPSON, C. no. 1153. — N. Mex., Ariz.

792. **pholus** DRURY, Ill. Exot. Ent., ii, pl. 28, f. 3, 1773; HAMPSON, C. no. 1154. — U. S.

a. **miniata** PACKARD, Rep. Peab. Acad., iv, 84, 1872.

*792. 1. **desertus** HY. EDWARDS, Pap., i, 81, 1881; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 173, 1894. (Type lost.) — Ariz.

CTENUCHA Kirby.

KIRBY, Faun. Bor. Am., iii, 305, 1837; HAMPSON, C. 523.

793. **venosa** WALKER, Cat. Brit. Mus., ii, 284, 1854; HAMPSON, C. no. 1165. — Mex., Tex., Col.

794. **cressonana** GROTE, Proc. Ent. Soc. Phil., ii, 64, 1863; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 106, 1893. — Rocky Mts.

a. **sanguinaria** STRECKER, Rep. Ch. Eng. Ruffner, 1878, app., 1858; HAMPSON, C. no. 1166.

b. **lutea** GROTE, Can. Ent., xxxiv, 104, 1902.

795. **brunnea** STRETCH, Zyg. Bomb. N. A., i, 30, 1872; HAMPSON, C. no. 1168. — Cal.

796. **multifaria** WALKER, Cat. Brit. Mus., ii, 478, 1854; HAMPSON, C. no. 1169. — Cal.

a. **luteoscapus** NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 106, 1893.

797. **rubroscapus** MÉNÉTRIES, Cat. Lép. Pét., ii, 142, 1857; HAMPSON, C. no. 1170. — Pac. States.

syn. *walsinghami* HY. EDWARDS.

a. **ochroscapus** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 330, 1868.

syn. *corvina* BOISDUVAL.

798. **virginica** CHARPENTIER, Esper's Exot. Schmett., ii, suppl., pl. 2, f. 3, 1830; HAMPSON, C. no. 1171. — No. Atl. States.
syn. *latreillana* KIRBY.

DAHANA Grote.

GROTE, Can. Ent., vii, 175, 1875; HAMPSON, C. 531.

799. **atripennis** GROTE, Can. Ent., vii, 175, 1875; HAMPSON, C. no. 1174. — Fla.

Family LITHOSIIDÆ.

(C.=HAMPSON, Cat. Lep. Phal. Brit. Mus., ii, 1900.)

CRAMBIDIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 99, 1864; HAMPSON, C. 126.

800. **pallida** PACKARD, Proc. Ent. Soc. Phil., iii, 99, 1864; HAMPSON, C. no. 244. — No. Atl. States.

801. **uniformis** DYAR, Jn. N. Y. Ent. Soc., vi, 33, 1898; HAMPSON, C. no. 246. — Va., Md.

802. **cephalica** GROTE & ROBINSON, Trans. Am. Ent. Soc., iii, 176, 1870; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 109, 1893. — Col., Ariz.

803. **casta** SANBORN, Packard's Guide Stud. Ins., 284, 1869; HAMPSON, C. no. 247. — No. U. S., Can.
syn. *candida* HY. EDWARDS.

804. **lithosioides** DYAR, Jn. N. Y. Ent. Soc., vi, 33, 1898; HAMPSON, C. no. 245. — Tex.

PALPIDIA Dyar.

DYAR, Jn. N. Y. Ent. Soc., vi, 33, 1898; HAMPSON, C. 513.

805. **pallidior** DYAR, Jn. N. Y. Ent. Soc., vi, 34, 1898; HAMPSON, C. no. 1103. — Fla.

LEXIS Wallengren.

WALLENGREN, Vet. Akad. Handl., (2), 5, (4), 41, 1865; HAMPSON, C. 115.

806. **bicolor** GROTE, Proc. Ent. Soc. Phil., iii, 74, 1864; HAMPSON, C. no. 224. — No. States, Can.
syn. *argillacea* PACKARD.

HYPOPREPIA Hübner.

HÜBNER, Zutr. exot. Schmett., iii, 21, 1825; HAMPSON, C. 515.

807. **miniata** KIRBY, Faun. Bor. Am., iv, 305, 1837; HAMPSON, C. no. 1108. — Atl. States.
syn. *vittata* HARRIS.
a. **subornata** NEUMOEGEN & DYAR, Can. Ent., xxv, 124, 1893.

808. **fucosa** HÜBNER, Zutr. exot. Schmett., f. 471, 1825; HAMPSON, C. no. 1109. — Atl. States.
syn. *tricolor* FITCH.
a. **plumbea** HY. EDWARDS, Ent. Amer., ii, 9, 1886.

809. **cadaverosa** STRECKER, Proc. Dav. Acad. Sci., ii, 270, 1878; HAMPSON, C. no. 1110. — Rocky Mts.

810. **inculta** HY. EDWARDS, Pap., ii, 13, 1882; HAMPSON, C. no. 1111. — Col.

HÆMATOMONIS Hampson.

HAMPSON, Cat. Lep. Phal. Brit. Mus., ii, 514, 1900.

811. **mexicana** DRUCE, Biol. Cent. Am., Lep. Het., i, 131, 1885; HAMPSON, C. no. 1106. — Mex., Ariz.

COMACLA Walker.

WALKER, Cat. Brit. Mus., vii, 1679, 1856; HAMPSON, C. 338.

812. **simplex** WALKER, Cat. Brit. Mus., vii, 1679, 1856; HAMPSON, C. no. 712. — Rocky Mts., Tex.
syn. *murina* WALKER, *clarus* GROTE & ROBINSON, *texana* FRENCH, Can. Ent., xxxi, 9, 1899.

813. **fuscipes** GROTE, Can. Ent., xi, 86, 1883; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 114, 1893. — Ariz.

NEOPLYNES Hampson.

HAMPSON, Cat. Lep. Phal. Brit. Mus., ii, 520, 1900.

814. **eudora** DYAR, Ent. News, v, 198, 1894; HAMPSON, C. no. 1117. — Tex.

BRUCEIA Neumoegen.

NEUMOEGEN, Jn. N. Y. Ent. Soc., i, 36, 1893; HAMPSON, C. 514.

815. **pulverina** NEUMOEGEN, Jn. N. Y. Ent. Soc., i, 36, 1893; HAMPSON, C. no. 1105. — Col.

816. **hubbardi** DYAR, Jn. N. Y. Ent. Soc., vi, 33, 1898. — Ariz.

CLEMENSIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 100, 1864; HAMPSON, C. 398.

817. **albata** PACKARD, Proc. Ent. Soc. Phil., iii, 100, 1864; HAMPSON, C. no. 853. — No. U. S., Cal., Mex.
syn. *albida* WALKER, *cana* WALKER, *umbrata*, PACKARD, *irrorata* HY. EDWARDS, *patella* DRUCE, *philodina* DRUCE.

*818. **lactea** STRETCH, Ent. Amer., i, 103, 1883; HAMPSON, C. no. 792. — Cal.

OZONADIA Dyar.

DYAR, Psyche, viii, 359, 1899; HAMPSON, C. 365.

819. **schwarziorum** DYAR, Psyche, viii, 359, 1899; HAMPSON, C. no. 769. — Mex., Ariz.

820. **unifascia** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 175, 1868; HAMPSON, C. no. 770. — So. Atl. States.
a. **tenuifascia** HARVEY, Bull. Buff. Soc., iii, 4, 1875.

ILLICE Walker.

WALKER, Cat. Brit. Mus., xix, 1019, 1859; HAMPSON, C. 363.

821. **subjecta** WALKER, Cat. Brit. Mus., ii, 534, 1854; HAMPSON, C. no. 776. — So. Atl. States.
syn. *packardii* GROTE.
a. **striata** OTTOLENGUI, Can. Ent., xxx, 101, 1898; HAMPSON, C. no. 777.

822. **plumbea** STRETCH, Ent. Amer., i, 102, 1885; HAMPSON, C. no. 787. — Tex.

823. **faustinula** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 73, 1868; HAMPSON, C. no. 787. — Cal.
a. **fusca** STRETCH, Zyg. Bomb. N. A., 49, 1872.

824. **nexa** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 74, 1868; HAMPSON, C. no. 785. — Cal.
syn. *grisea* PACKARD, *deserta* FELDER.

Family ARCTIIDÆ.

(C.=HAMPSON, Cat. Lep. Phal. Brit. Mus., iii, 1901.)

PTYCHOGLENE Felder.

FELDER, Reise Novara, Lep., iv, pl. 106, f. 26, 1874.

*825. **coccinea** HY. EDWARDS, Ent. Amer., ii, 9, 1886. — Ariz.

826. phrada DRUCE, Ann. Mag. Nat. Hist., (6), iv, 90, 1889; HAMPSON, C. ii, no. 507. — Ariz., Mex.

syn. *flammans* DYAR, Jn. N. Y. Ent. Soc., vi, 39, 1898.

827. sanguineola BOISDUVAL, Lép. Guat., 95, 1870; HAMPSON, C. ii, no. 505. — Ariz., Mex.

EUBAPHE Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 9, 1823; HAMPSON, C. 188.

828. læta GUÉRIN, Icon. Ins., pl. 88, f. 6, 1829; HAMPSON, C. no. 1567. — Atl. States.

syn. *treatii* GROTE, *rubropicta* PACKARD.

829. intermedia GRAEF, Ent. Amer., iii, 42, 1887; HAMPSON, C. no. 1575. — Tex., Col.

a. parvula NEUMOEGEN & DYAR, Ent. News, iv, 140, 1893.

syn. *coccinicepe* SCHAUS, Ann. Mag. Nat. Hist., (7), vii, 269, 1901; HAMPSON, C. no. 1565.

830. ostenta HY. EDWARDS, Pap., i, 12, 1881; HAMPSON, C. no. 1568. — Ariz.

831. fragilis STRECKER, Rep. Eng. Ruffner, v, app., 1859, 1878; HAMPSON, C. no. 1574. — Tex.

syn. *costata* STRETCH, *opelloides* GRAEF.

832. opella GROTE, Proc. Ent. Soc. Phil., i, 345, 1863; HAMPSON, C. no. 1576. — Atl. States.

syn. *obscura* STRECKER, *rubricosta* EHRMAN.

a. nigricans REAKIRT, Proc. Ent. Soc. Phil., ii, 371, 1864.

syn. *nigrifera* WALKER.

b. belmaria EHRMAN, Can. Ent., xxvii, 345, 1895.

833. immaculata REAKIRT, Proc. Ent. Soc. Phil., ii, 372, 1864; SMITH, Can. Ent., xxi, 195, 1889. — Atl. States.

a. trimaculosa REAKIRT, Proc. Ent. Soc. Phil., ii, 372, 1864.

834. aurantiaca HÜBNER, Zutr. exot. Schmett., f. 411, 1825; HAMPSON, C. no. 1573. — Atl. States to Rocky Mts., Mex.

a. rubicundaria HÜBNER, Zutr. exot. Schmett., f. 511, 1825.

syn. *rosa* FRENCH, *diminutiva* GRAEF.

b. ferruginosa WALKER, Cat. Brit. Mus., ii, 535, 1854; SMITH, Can. Ent., xxi, 195, 1889.

c. brevicornis WALKER, Cat. Brit. Mus., ii, 536, 1855.

syn. *belfragei* STRETCH.

d. **quinaria** GROTE, Proc. Ent. Soc. Phil., ii, 30, 1863.

syn. *choriona* REAKIRT, *bimaculata* SAUNDERS.

DODIA Dyar.

DYAR, Jn. N. Y. Ent. Soc., ix, 85, 1901.

835. **albertæ** DYAR, Jn. N. Y. Ent. Soc., ix, 85, 1901. — Alberta.

UTETHEISA Hübner.

HÜBNER, Verz. bek. Schmett., 168, 1823; HAMPSON, C. 480.

836. **bella** LINNÆUS, Syst. Nat., 534, 1858; HAMPSON, C. no. 2091. — Atl. States.

a. **hybrida** BUTLER, Trans. Ent. Soc. Lond., 361, 1877.

syn. *intermedia* BUTLER.

b. **terminalis** NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 162, 1893.

c. **venusta** DALMAN, Anal. Ent., 28, 1823.

syn. *speciosa* WALKER.

837. **ornatrix** LINNÆUS, Syst. Nat., 511, 1758; HAMPSON, C. no. 2090. — Fla., Antilles, So. Am.

a. **stretchii** BUTLER, Trans. Ent. Soc. Lond., 361, 1877.

syn. *pura* BUTLER.

HAPLOA Hübner.

HÜBNER, Verz. bek. Schmett., 182, 1822; SMITH, Proc. U. S. Nat. Mus., 338, 1887; LYMAN, Can. Ent., xix, 181, 1887; HAMPSON, C. 492.

838. **clymene** BROWN, Ill. Zool., 96, 1776; HAMPSON, C. no. 2099. — Atl. States.

syn. *interruptomarginata* DE BEAUVOIS, *comma* WALKER.

839. **colona** HÜBNER, Eur. Schmett., ii, 135, 1804; HAMPSON, C. no. 2100. — Atl. States.

syn. *carolina* HARRIS.

a. **reversa** STRETCH, Ent. Amer., i, 104, 1885.

syn. *suffusa* SMITH.

b. **fulvicosta** CLEMENS, Proc. Acad. Nat. Sci. Phil., 536, 1861; HAMPSON, C. no. 2103.

syn. *duplicata* NEUMOEGEN & DYAR.

c. **consita** WALKER, Cat. Brit. Mus., xxxii, 377, 1865.

syn. *lactata* SMITH.

d. **triangularis** SMITH, Ent. News, x, 126, 1899.

840. **lecontei** BOISDUVAL, Icon. Reg. An., Ins., 517, 1829; HAMPSON, C. no. 2101. — Atl. States.

syn. *leucomelas* HERRICH-SCHAEFFER.

a. **dyari** MERRICK, Ent. News, xii, 45, 1901.

b. **confinis** WALKER, Cat. Brit. Mus., iii, 651, 1855.

c. **militaris** HARRIS, Rep. Ins. Mass., 243, 1841.

d. **harrisii** DYAR (oblique band broken).

e. **smithii** DYAR (marks broken and confused).

f. **vestalis** PACKARD, Proc. Ent. Soc. Phil., iii, 108, 1864; HAMPSON, C. no. 2105.

841. **confusa** LYMAN, Can. Ent., xix, 185, 1887; HAMPSON, C. no. 2104. — No. Atl. States.

a. **lymani** DYAR (marks broken and reduced).

842. **contigua** WALKER, Cat. Brit. Mus., iii, 651, 1855; HAMPSON, C. no. 494. — Atl. States.

a. **lumbonigera** DYAR (outer band broken or absent).

EUERYTHRA Harvey.

HARVEY, Can. Ent., viii, 5, 1876; HAMPSON, C. 254.

843. **phasma** HARVEY, Can. Ent., viii, 5, 1876; HAMPSON, C. no. 1695. — Tex.

844. **trimaculata** SMITH, Ent. Amer., iii, 17, 1887; HAMPSON, C. no. 1696. — Tex.

ECPANTHERIA Hübner.

HÜBNER, Verz. bek. Schmett., 183, 1822; HAMPSON, C. 365.

845. **muzina** OBERTHUR, Étud. d'Ent., pl. 12, f. 4, 1881; HAMPSON, C. no. 1928. — Tex., Mex.

syn. *albicollis* OBERTHUR, *thiemei* OBERTHUR, *abscondens* OBERTHUR, *depauperata* OBERTHUR, *garzoni* OBERTHUR, *xanthonota* OBERTHUR, *yukatanensis* OBERTHUR, *sennettii* LINTNER.

846. **deflorata** FABRICIUS, Syst. Ent., 582, 1775; HAMPSON, C. no. 1918. — So. Atl. States, Mex

syn. *scribonia* STOLL, *chryseis* OLIVIER, *occulatissima* SMITH & ABBOT.

a. **confluens** OBERTHUR, Étud. d'Ent., 110, 1884.

b. **denudata** SLOSSON, Ent. News, iii, 212, 1888.

TURUPTIANA Walker.

WALKER, Char. Lep. Het., 19, 1869; HAMPSON, C. 425.

847. **permaculata** PACKARD, Fourth Rept. Peab. Acad. Sci., 80, 1872; HAMPSON, C. no. 1995. — Rocky Mts., Ariz.

syn. *reducta* GROTE, *cæca* STRECKER.

LEPTARCTIA Stretch.

STRETCH, Zyg. Bomb. N. A., 118, 1873; HAMPSON, C. 220.

848. **californiæ** WALKER, Cat. Brit. Mus., iii, 625, 1855; HAMPSON, C. no. 1634. — Rocky Mts., Pac. States.

syn. *lena* BOISDUVAL, *adnata* BOISDUVAL, *fulvofasciata* BUTLER, *wrightii* FRENCH.

a. **decia** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 72, 1869.

syn. *boisduvalii* BUTLER, *latifasciata* BUTLER, *albifascia* FRENCH, *occidentalis* FRENCH.

b. **dimidiata** STRETCH, Zyg. Bomb. N. A., 123, 1873.

syn. *stretchii* BUTLER.

SEIRARCTIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 119, 1864; HAMPSON, C. 422.

849. **echo** SMITH & ABBOT, Lep. Ins. Ga., ii, 135, 1797; HAMPSON, C. no. 1989. — So. States.

syn. *niobe* STRECKER.

ALEXICLES Grote.

GROTE, Trans. Kans. Acad. Sci., viii, 46, 1882.

*850. **aspersa** GROTE, Trans. Kans. Acad. Sci., viii, 46, 1882; HAMPSON, C. no. 1853. — N. Mex.

ESTIGMENE Hübner.

HÜBNER, Verz. bek. Schmett., 184, 1822; HAMPSON, C. 338.

851. **acræa** DRURY, Ill. Exot. Ent., i, pl. 3, f. 2, 1770; HAMPSON, C. no. 1868. — U. S., Mex.

syn. *caprotina* DRURY, *menthastrina* MARTYN, *pseuderminea* PECK, *californica* PACKARD, *packardii* SCHAUPP, *klagesii* EHRMAN.

a. **dubia** WALKER, Cat. Brit. Mus., iii, 682, 1856.

syn. *ricksecker*i BEHR, Zoe, iv, 247, 1895; SKINNER, Ent. News, vi, 186, 1895.

b. **mexicana** HAMPSON, Cat. Lep. Phal. Brit. Mus., iii, 345, 1901.

852. **albida** STRETCH, Zyg. Bomb. N. A., 203, 1873; HAMPSON, C. no. 1869. — So. Cal.

853. **prima** SLOSSON, Ent. Amer., v, 40, 1889; HAMPSON, C. no. 1869. — No. Atl. States.

854. **congrua** WALKER, Cat. Brit. Mus., iii, 669, 1856. — Atl. States. Col.

syn. *antigone* STRECKER; HAMPSON, C. no. 1871.

a. **athena** STRECKER, Lep. Rhop. Het., suppl. 2, 4, 1899.

HYPHANTRIA Harris.

HARRIS, Rep. Ins. Mass., 255, 1841; HAMPSON, C. 335.

855. **cunea** DRURY, Ill. Exot. Ent., i, pl. 18, f. 4, 1770; HAMPSON, C. no. 1852. — So. Atl. States.
syn. *budea* HÜBNER, *punctatissima* SMITH & ABBOT, *punctata* FITCH, *pallida* PACKARD, *suffusa* STRECKER, *brunnea* STRECKER. Lep. Rhop. Het., suppl. 3, 28, 1900.

856. **textor** HARRIS, Rep. Ins. Mass., 255, 1841. — U. S.
syn. *candida* WALKER.

ARACHNIS Geyer.

GEYER, Zutr. exot. Schmett., f. 457, 1873; HAMPSON, C. 319.

857. **picta** PACKARD, Proc. Ent. Soc. Phil., iii, 126, 1864; HAMPSON, C. no. 1942. — So. Cal., Col.
a. **maia** OTTOLENGUI, Ent. News, vii, 125, 1896.
b. **citra** NEUMOEGEN & DYAR, Ent. News, iv, 140, 1893.
c. **hampsoni** DYAR (HAMPSON, C. 392, subsp. 2).
d. **perotensis** SCHAUS, Ent. Amer., v, 190, 1889.

858. **zuni** NEUMOEGEN, Ent. Amer., vi, 173, 1890; HAMPSON, C. no. 1944. — Ariz.

ISIA Walker.

WALKER, Cat. Brit. Mus., vii, 1698, 1856; *Pyrrharctia* PACKARD, Proc. Ent. Soc. Phil., iii, 120, 1864.

859. **isabella** SMITH & ABBOT, Lep. Ins. Ga., ii, 131, 1797; HAMPSON, C. no. 1821. — U. S.
syn. *californica* PACKARD.

PHRAGMATOBIA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., ii, 73, 1830; HAMPSON, C. 233.

860. **fuliginosa** LINNÆUS, Syst. Nat., i, 509, 1758; HAMPSON, C. no. 1672. — No. States, Eur.
syn. *rubricosa* HARRIS.
a. **borealis** STAUDINGER, Cat. Lep. Eur., 59, 1871.
b. **fervida** STAUDINGER, Cat. Lep. Eur., 59, 1871.
c. **subnigra** MILLIÈRE, Lep., vi, pl. 8, f. 7, 1881.
d. **pulverulenta** ALPHERAKY, Rom. Mém. Lép., v, 84, 1889.

861. **assimilans** WALKER, Cat. Brit. Mus., iii, 630, 1855; HAMPSON, C. no. 1673. — No. Atl. States.
a. **franconica** SLOSSON, Ent. News, ii, 41, 1891.

DIACRISIA Hübner.

HÜBNER, Verz. bek. Schmett., 196, 1827; HAMPSON, C. 256; *Rhagonis* WALKER, Trans. Ent. Soc. Lond., (3), i, 270, 1862.

862. **virginica** FABRICIUS, Syst. Ent., suppl., 437, 1798; HAMPSON, C. no. 1710. — U. S.
   a. **fumosa** STRECKER, Lep. Rhop. Het., suppl. 3, 28, 1900.

863. **latipennis** STRETCH, Zyg. Bomb. N. A., 133, 1872; HAMPSON, C. no. 1706. — Atl. States.

864. **rubra** NEUMOEGEN, Pap., i, 79, 1881; HAMPSON, C. no. 1797. — No. Pac. States.
   a. **walsinghami** BUTLER, Ann. Mag. Nat. Hist., (5), viii, 311, 1881.
   b. **danbyi** NEUMOEGEN, Ent. News, iv, 141, 1893.

865. **vagans** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 322, 1852; HAMPSON, C. no. 1796. — Pac. States.
   syn. *pteridis* HY. EDWARDS, *bicolor* WALKER, Trans. Ent. Soc. Lond., (3), i, 270, 1862.
   a. **rufula** BOISDUVAL, Bull. Soc. Ent. Fr., (3), iii, 32, 1855.
   syn. *punctata* PACKARD, *proba* HY. EDWARDS.

MÆNAS Hübner.

HÜBNER, Verz. bek. Schmett., 167, 1827; HAMPSON, C. 247.

866. **vestalis** PACKARD, Proc. Ent. Soc. Phil., iii, 125, 1864; HAMPSON, C. no. 1680. — Pac. States.
   a. **amelaina** DYAR, Psyche, vi, 512, 1893.

NEOARCTIA Neumoegen & Dyar.

NEUMOEGEN & DYAR, Ent. News, iv, 141, 1893; HAMPSON, C. 233.

867. **brucei** HY. EDWARDS, Ent. Amer., iii, 183; HAMPSON, C. no. 1666. — Col.

868. **beanii** NEUMOEGEN, Can. Ent., xxiii, 123, 1891; HAMPSON, C. no. 1670. — No. Rocky Mts.
   a. **fuscosa** NEUMOEGEN, Can. Ent., xxiii, 124, 1891.

*869. **yarrowi** STRETCH, Zyg. Bomb. N. A., 221, 1873; HAMPSON, C. no. 1671. — Ariz., Can.
   a. **remissa** HY. EDWARDS, Ent. Amer., iii, 184, 1888.

HYPHORAIA Hübner.

Hübner, Verz. bek. Schmett., 182, 1822; Hampson, C. 232.

870. **lapponica** Thunberg, Diss. Ent., ii, 40, 1791; Hampson, C. no. 1635. — Arctic Am.
syn. *hyperborea* Curtis, *alpina* Quensel, *thulea* Dalman, *aria* Hübner.

871. **subnebulosa** Dyar, Ent. News, x, 130, 1899; Hampson, C. no. 1635a. — Alaska.

872. **parthenos** Harris, Agassiz's Lake Sup., 309, pl. 7, f. 4, 1850; Hampson, C. no. 1639. — No. Atl. States.
syn. *borealis* Möschler.

PLATYPREPIA Dyar.

Dyar, Can. Ent., xxix, 215, 1897.

873. **virginalis** Boisduval, Ann. Soc. Ent. Fr., (2), x, 321, 1852; Smith, Can. Ent., xxi, 215, 1889. — No. Pac. States, Col.
syn. *ochracea* Stretch.
a. **guttata** Boisduval, Ann. Soc. Ent. Fr., (2), x, 321, 1852.

APANTESIS Walker.

Walker, Cat. Brit. Mus., iii, 631, 1855; Hampson, C. 395.

874. **virgo** Linnæus, Syst. Nat., 501, 1758; Hampson, C. no. 1948. — Atl. States.
a. **citrinaria** Neumoegen & Dyar, Ent. News, iv, 142, 1893.

875. **virguncula** Kirby, Faun. Bor. Am., iv, 304, 1837; Hampson, C. no. 1957; Gibson, Can. Ent., xxxiii, 325, 1901. — No. Atl. States.
syn. *speciosa* Möschler.
a. **otiosa** Neumoegen & Dyar, Ent. News, iv, 142, 1893.

876. **michabo** Grote, Can. Ent., vii, 197, 1875; Hampson, C. no. 1951. — Atl. States.
a. **minea** Slosson, Ent. News, iii, 257, 1892.

877. **intermedia** Stretch, Zyg. Bomb. N. A., 216, 1874; Neumoegen & Dyar, Jn. N. Y. Ent. Soc., ii, 7, 1894. — So. Atl. States.
a. **stretchii** Grote, Can. Ent., vii, 197, 1875.

878. **parthenice** Kirby, Faun. Bor. Am., iv, 204, 1837; Hampson, C. no. 1949. — No. Atl. States.
syn. *saundersii* Grote.
a. **approximata** Stretch, Ent. Amer., i, 104, 1885.

879. **oithona** STRECKER. Lep. Rhop. Het., 131, 1877. — Atl. States.
a. **rectilinea** FRENCH, Can. Ent., xi, 45, 1879; HAMPSON, C. no. 1950. — Miss. Vall.

880. **anna** GROTE, Proc. Ent. Soc. Phil., ii, 433, 1863; HAMPSON, C. no. 1955. — Atl. States.
a. **persephone** GROTE, Proc. Ent. Soc. Phil., ii, 433, 1863.

881. **ornata** PACKARD, Proc. Ent. Soc. Phil., iii, 114, 1864; HAMPSON, C. no. 1953. — Pac. States.
syn. *simplicior* BUTLER, *perpicta* DYAR.
a. **achaia** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 334, 1867.
syn. *edwardsii* STRETCH.
b. **ochracea** STRETCH, Zyg. Bomb. N. A., 125, 1872.
syn. *barda* HY. EDWARDS.

882. **arge** DRURY, Ill. Exot. Ent., i, 35, 1770; HAMPSON, C. no. 1952. — U. S.
syn. *dione* FABRICIUS, *incarnatorubra* GOEZE, *caelebs* MARTYN, *nerea* BOISDUVAL, *doris* BOISDUVAL.
a. **nervosa** NEUMOEGEN & DYAR, Ent. News, iv, 142, 1893.

883. **quenselii** PAYKULL, Act. Hafn., ii, 99, 1793; HAMPSON, C. no. 1956. — Arctic Am., Eur.
syn. *strigosa* FABRICIUS, *gelida* MÖSCHLER, *liturata* MÉNÉTRIES, *complicata* WALKER.
a. **turbans** CHRISTOPH, Iris, v, 349, 1892.

*884. **obliterata** STRETCH, Ent. Amer., i, 105, 1885; HAMPSON, C. no. 1954. — (Unknown.)

885. **proxima** GUÉRIN-MÉNEVILLE, Icon. Reg. An., ii, 514, 1844; HAMPSON, C. no. 1958. — So. Cal. to Utah, Mex.
syn. *docta* WALKER, *mexicana* GROTE & ROBINSON, *arizonensis* STRETCH, *mormonica* NEUMOEGEN.
a. **autholea** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 76, 1869.

*886. **cervinoides** STRECKER, Proc. Acad. Nat. Sci. Phil., xxviii, 151, 1876; HAMPSON, C. no. 1962. — Col.

887. **blakei** GROTE, Proc. Ent. Soc. Phil., iii, 523, 1864. — Rocky Mts., Cal.
syn. *bolanderi* STRETCH; HAMPSON, C. no. 1959.

888. **nevadensis** GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 1, 1866; HAMPSON, C. no. 1961. — Rocky Mts. to Pacific.
syn. *behrii* STRETCH.
a. **incorrupta** HY. EDWARDS, Pap., i, 38, 1881.
syn. *shastaensis* FRENCH.

b. **superba** STRETCH, Zyg. Bomb. N. A., 227, 1873; HAMPSON, C. no. 1963.
syn. *geneura* STRECKER.
c. **sulphurica** NEUMOEGEN, Ent. Amer., i, 93, 1885.
syn. *ochracea* NEUMOEGEN, *elongata* STRETCH.

889. **williamsii** DODGE, Can. Ent., iii, 167, 1871. — Rocky Mts.
syn. *villiamsi* HAMPSON, C. no. 1964.
a. **determinata** NEUMOEGEN, Pap., i, 28, 1881.
syn. *dieckii* NEUMOEGEN.

890. **phyllira** DRURY, Ill. Exot. Ent., i, 15, 1770; HAMPSON, C. no. 1965. — So. Atl. States.
syn. *b-ata* GOEZE, *plantaginis* MARTYN, *dodgei* BUTLER.
a. **excelsa** NEUMOEGEN, Pap., iii, 70, 1883.
syn. *lugubris* HULST.
b. **favorita** NEUMOEGEN, Ent. Amer., vi, 173, 1890; HAMPSON, C. no. 1960.

891. **celia** SAUNDERS, Proc. Ent. Soc. Phil., ii, 59, 1863. — No. Atl. States.
syn. *franconica* HY. EDWARDS.

892. **figurata** DRURY, Ill. Exot. Ent., ii, pl. 12, f. 4, 1770. — So. States.
syn. *ceramica* HÜBNER, *f-pallida* STRECKER.

893. **placentia** SMITH & ABBOT, Lep. Ins. Ga., ii, pl. 65, 1797; HAMPSON, C. no. 1968. — So. States.
a. **snowi** GROTE, Can. Ent., vii, 197, 1875.
syn. *quadranotata* STRECKER.
b. **flammea** NEUMOEGEN, Pap., i, 9, 1881.

894. **nais** DRURY, Ill. Exot. Ent., i, pl. 7, f. 3, 1770; HAMPSON, C. no. 1967. — Atl. States.
syn. *cuneata* GOEZE, *degloriana* MARTYN, *ochreata*, BUTLER.

895. **vittata** FABRICIUS, Mant. Ins., ii, 127, 1787; HAMPSON, C. no. 1966. — Atl. States.
syn. *decorata* SAUNDERS.
a. **radians** WALKER, Cat. Brit. Mus., iii, 632, 1855.
syn. *colorata* WALKER, *incompleta* BUTLER.
b. **phalerata** HARRIS, Cat. Ins. Mass., 73, 1837.
syn. *rhoda* BUTLER.

KODIOSOMA Stretch.

STRETCH, Zyg. Bomb. N. A., 67, 1872; HAMPSON, C. 413.

896. **fulva** STRETCH, Zyg. Bomb. N. A., 67, 1872; HAMPSON, C. no. 1970. — Cal.

a. **nigra** STRETCH, Zyg. Bomb. N. A., 68, 1872.

b. **eavesii** STRETCH, Zyg. Bomb. N. A., 69, 1872.

c. **tricolor** STRETCH, Zyg. Bomb. N. A., 68, 1872.

ECTYPIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., xii, 529, 1860; HAMPSON, C. 475.

897. **bivittata** CLEMENS, Proc. Acad. Nat. Sci. Phil., xii, 529, 1860; HAMPSON, C. no. 2076. — Tex.

syn. *nigroflava* GRAEF.

*898. **thona** STRECKER, Lep. Rhop. Het., suppl., 4, 1899; HAMPSON, C. no. 2075. — New Mex.

EUVERNA Neumoegen & Dyar.

NEUMOEGEN & DYAR, Ent. News, iv, 141, 1893; HAMPSON, C. 457.

899. **clio** PACKARD, Proc. Ent. Soc. Phil., iii, 120, 1864; HAMPSON, C. no. 2053. — Rocky Mts., So. Cal.

a. **jessica** BARNES, Can. Ent., xxxii, 45, 1900.

PARASEMIA Hübner.

HÜBNER, Verz. bek. Schmett., 121, 1822; HAMPSON, C. 458.

900. **plantaginis** LINNÆUS, Syst. Nat., i, 501, 1758; HAMPSON, C. no. 2054. — No. Pac. States, Eur.

syn. *alpicola* SCOPOLI, *hospita* DENIS & SCHIFFERMÜLLER, *matronalis* FREY, *caucasica* HERRICH-SCHAEFFER, *petrosa* WALKER, *nictitans* MÉNÉTRIES, *cespitalis* GROTE & ROBINSON, *chicorii* GROTE & ROBINSON, *macromera* BUTLER, *leucomera* BUTLER, *melanomera* BUTLER, *selwynii* NEUMOEGEN, *floccosa* GRAESER, *syfamia* GRUMM-GRSHIMAÏLO, *melas* CHRISTOPH, *flava* KILIAN.

a. **modesta** PACKARD, Proc. Ent. Soc. Phil., iii, 113, 1864.

b. **scudderi** PACKARD, Proc. Ent. Soc. Phil., iii, 113, 1864.

c. **geometrica** GROTE, Proc. Ent. Soc. Phil., iv, 318, 1865.

d. **geddesi** NEUMOEGEN, Pap., iii, 137, 1883.

LERINA Walker.

WALKER, Cat. Brit. Mus., ii, 477, 1854.

901. **incarnata** WALKER, Cat. Brit. Mus., ii, 477, 1854; DRUCE, Biol. Cent. Am., Lep. Het., ii, 394, pl. 77, f. 14, 1897. — Mex., Ariz.?

syn. *robinsonii* BOISDUVAL; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 107, 1893.

PYGOCTNUCHA Grote.

GROTE, Trans. Kans. Acad. Sci., viii, 46, 1883; *Protosia* HAMPSON, C. ii, 255, 1900.

902. **terminalis** WALKER, Cat. Brit. Mus., ii, 478, 1854. — Mex., Ariz.

syn. *harrisii* BOISDUVAL, Ann. Soc. Ent. Belg., xii, 72, 1869; *pyrrhoura* HULST., *rotira* HY. EDWARDS; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 107, 1893.

*903. **funerea** GROTE, Trans. Kans. Acad. Sci., viii, 46, 1883. — N. Mex.

ARCTIA Schrank.

SCHRANK, Faun. Boica, ii, (2), 151, 1802; HAMPSON, C. 463.

904. **caia** LINNÆUS, Syst. Nat., 500, 1758; HAMPSON, C. no. 2059. — No. U. S., Eur.

syn. *erinacea* RETZIUS, *phæosoma* BUTLER, *orientalis* MOORE.

a. **americana** HARRIS, Rep. Ins. Mass., 246, 1841.

b. **wiskotti** STAUDINGER, Hor. Ent. Soc. Ross., xiv, 333, 1878.

syn. *utahensis* HY. EDWARDS, *auripennis* BUTLER, *transmontana* NEUMOEGEN & DYAR.

c. **opulenta** HY. EDWARDS, Pap., i, 30, 1881.

AMMALO Walker.

WALKER, Cat. Brit. Mus., iii, 622, 1855; HAMPSON, C. 83.

905. **tenera** HÜBNER, Zutr. exot. Schmett., i, 7, f. 3, 4, 1818; HAMPSON, C. no. 1340. — Atl. States.

syn. *collaris* FITCH, *antica* WALKER.

a. **sciurus** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 79, 1869. — Cal.

syn. *yosemitæ* HY. EDWARDS.

906. **insulata** WALKER, Cat. Brit. Mus., iii, 734, 1855; HAMPSON, C. no. 1339. — Fla., Antilles.

syn. *cadaverosa* GROTE, *affinis* GROTE, *aurata* BUTLER.

907. **eglenensis** CLEMENS, Proc. Acad. Nat. Sci. Phil., xii, 533, 1860; HAMPSON, C. no. 1341. — So. Atl. States.
a. **inopinatus** HY. EDWARDS, Pap., ii, 13, 1882.

EUCHÆTIAS Lyman.

LYMAN, Can. Ent., xxxiv, 27, 1902; *Euchates* HARRIS (not DEJEAN), Rep. Ins. Mass., 257, 1841; HAMPSON, C. 417.

908. **murina** STRETCH, Ent. Amer., i, 106, 1885; HAMPSON, C. no. 1983. — Tex.

909. **bolteri** STRETCH, Ent. Amer., i, 106, 1885; HAMPSON, C. no. 1984. — Tex.
syn. *♂ sesiiformis* GRAEF.

910. **egle** DRURY, Ill. Exot. Ent., ii, pl. 20, f. 3, 1773; HAMPSON, C. no. 1985. — Atl. States.
a. **cyclica** HY. EDWARDS, Pap., iii, 148, 1883.

911. **oregonensis** STRETCH, Zyg. Bomb. N. A., 187, 1873; HAMPSON, C. no. 1986. — No. States.

912. **pudens** HY. EDWARDS, Pap., ii, 126, 1882; HAMPSON, C. no. 1987. — Tex.

913. **perlevis** GROTE, Can. Ent., xiv, 196, 1882; HAMPSON, C. no. 1981. — Ariz.

*914. **antica** WALKER, Cat. Brit. Mus., vii, 1708, 1856; HAMPSON, C. no. 1979. — Ariz., Mex.
syn. *zonalis* GROTE.

914. 1. **expressa** HY. EDWARDS, Pap., iv, 60, 1884; HAMPSON, C. no. 1982. — Ariz., Mex.

PYGARCTIA Grote

GROTE, Can. Ent., iii, 124, 1871; HAMPSON, C. 415.

915. **abdominalis** GROTE, Can. Ent., iii, 124, 1871; HAMPSON, C. no. 1975. — Fla.

916. **vivida** GROTE, Pap., ii, 131, 1882; HAMPSON, C. no. 1974. — Tex.

917. **spraguei** GROTE, Can. Ent., vii, 200, 1875; HAMPSON, C. no. 1973. — Col., Kans.
syn. *conspicua* NEUMOEGEN.

918. **elegans** STRETCH, Zyg. Bomb. N. A., 189, 1873; HAMPSON, C. no. 1976. — Cal., Ariz.,
a. **roseicapitis** NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 166, 1890. — Mex.

HALISIDOTA Hübner.

Hübner, Verz. bek. Schmett., 170, 1822; Hampson, C. 145.

919. **tessellaris** Smith & Abbot, Lep. Ins. Ga., ii, 149, 1797; Hampson, C. no. 1498. — Atl. States.
syn. *antiphola* Walsh.

920. **harrisii** Walsh, Proc. Ent. Soc. Phil., iii, 430, 1864. — Atl. States.

921. **cinctipes** Grote, Proc. Ent. Soc. Phil., v, 242, 1865; Hampson, C. no. 1497. — Fla., Tex., Ariz., So. Am.
syn. *darisii* Hy. Edwards.

922. **maculata** Harris, Rep. Ins. Mass., 259, 1841; Hampson, C. no. 1481. — No. Atl. States.
syn. *fulvoflava* Walker, *guttifera* Herrich-Schaeffer.

a. **angulifera** Walker, Lord's Trav. Vanc., ii, 355, 1866. — No. Pac. States, Rocky Mts.
syn. *alni* Hy. Edwards.

b. **agassizii** Packard, Proc. Ent. Soc. Phil., iii, 128, 1864. — Cal.
syn. *californica* Walker, *salicis* Boisduval.

923. **caryæ** Harris, Rep. Ins. Mass., 258, 1841; Hampson, C. no. 1479. — Atl. States.
syn. *annulifascia* Walker, *porphyria* Herrich-Schaeffer.

*924. **pura** Neumoegen, Pap., ii, 133, 1882; Hampson, C. no. 1508. — Ariz.

925. **longa** Grote, Can. Ent., xii, 213, 1880; Hampson, C. no. 1508. — Fla.

*926. **otho** Barnes, Can. Ent., xxxiii, 53, 1901. — Ariz.

HYPOCRISIAS Hampson.

Hampson, Cat. Lep. Phal. Brit. Mus., iii, 216, 1901.

*927. **minima** Neumoegen, Pap., iii, 138, 1887; Hampson, C. no. 1628. — Ariz.
syn. *armillata* Hy. Edwards.

HEMIHYALEA Hampson.

Hampson, Cat. Lep. Phal. Brit. Mus., iii, 129, 1901.

928. **edwardsii** Packard, Proc. Ent. Soc. Phil., iii, 129, 1864; Hampson, C. no. 1437. — Cal.
syn. *transducida* Walker, *quercus* Boisduval.

929. **labecula** Grote, Pap., i, 174, 1881; Hampson, C. no. 1438. — Col.

EUSCHAUSIA Dyar.

Dyar, Can. Ent., xxix, 209, 1897.

930. **argentata** Packard, Proc. Ent. Soc. Phil., iii. 129, 1864; Hampson, C. no. 1476. — No. Pac. States.

a. **subalpina** French, Can. Ent., xxii, 47, 1890. — Col.

b. **sobrina** Stretch, Zyg. Bomb. N. A., 87, 1873. — Cal.

*931. **mixta** Neumoegen, Pap., ii, 133, 1882; Hampson, C. no. 1479, subsp. 2. — Ariz.

932. **ingens** Hy. Edwards, Pap., i, 39, 1881; Hampson, C. no. 1477. — Rocky Mts.

syn. *scapularis* Stretch.

ÆMILIA Kirby.

Kirby, Cat. Lep. Het., i, 218, 1892; Hampson, C. 182.

933. **ambigua** Strecker, Proc. Dav. Acad. Sci., ii, 272, 1878; Hampson, C. no. 1554. — Rocky Mts.

syn. *holteri* Hy. Edwards, *syracosia* Druce.

*934. **roseata** Walker, App. Lord's Trav. Vanc., 336, 1866; Hampson, C. no. 1555. — Pac. States.

syn. *cinnamomea* Boisduval, *sanguivenosa* Neumoegen.

a. **significans** Hy. Edwards, Ent. Amer., iii, 182, 1888.

*935. **occidentalis** French, Can. Ent., xxii, 46, 1890. — Rocky Mts.

EUPSEUDOSOMA Grote.

Grote, Proc. Ent. Soc. Phil., v, 240, 1865; Hampson, C. 27.

936. **involutum** Sepp, Surin. Vlind., iii, pl. 115, 1852; Hampson, C. no. 1229. — So. Am., Fla.

syn. *nivea* Herrich-Schaeffer.

a. **floridum** Grote, Can. Ent., xiv, 187, 1882.

syn. *immaculata* Graef.

CALIDOTA Dyar.

Dyar, Proc. U. S. Nat. Mus., xxiii, 368, 1900; Hampson, C. 432.

937. **strigosa** Walker, Cat. Brit. Mus., iii, 736, 1855; Hampson, C. no. 2004. — Fla., Antilles.

syn. *cubensis* Grote, *laqueata* Hy. Edwards.

938. **muricolor** Dyar, Jn. N. Y. Ent. Soc., vi, 38, 1898; Hampson, C. no. 2011. — Ariz.

939. **zella** DYAR. (Brownish gray, a slightly angular yellowish discal dot; hind wing subhyaline, whitish; abdomen crimson above with small dorsal black points; exp. 25 mm.) — Ariz.

BERTHOLDIA Schaus.

SCHAUS, Jn. N. Y. Ent. Soc., iv, 137, 1896; HAMPSON, C. 78.

940. **trigona** GROTE, No. Am. Ent., i, 46, 1879; HAMPSON, C. no. 1332. — Col., N. Mex.

PHEGOPTERA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Auss. Schmett., 16, 1850; HAMPSON, C. 117.

941. **astur** CRAMER, Pap. Exot., ii, pl. 120, f. B, 1779; HAMPSON, C. no. 1433. — Ariz., Mex., So. Am.

syn. *albicans* WALKER, *maculicollis* WALKER, *pustulata* PACKARD.

Family AGARISTIDÆ.

(C. = HAMPSON, Cat. Lep. Phal. Brit. Mus., iii, pp. 515–663, 1901.)

MISA Karsch.

KARSCH, Ent. Nach., 349, 1895; HAMPSON, C. 622.

942. **sabulosa** BOISDUVAL, Rev. Zool., ii, (3), 106, 1874; HAMPSON, C. no. 163. — Ariz., Mex.

syn. *noctuiformis* MÖSCHLER.

ANDROLOMA Grote.

GROTE, Bull. Buff. Soc. Nat. Sci., i, 30, 1873.

943. **mac-cullochii** KIRBY, Faun. Bor. Am., iv, 301, 1837; HAMPSON, C. no. 179. — Can., Rocky Mts.

a. **lorquinii** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 328, 1868.

944. **similis** STRETCH, Zyg. Bomb. N. A., 14, 1872. — Cal.

syn. *edwardsii* BOISDUVAL.

a. **conjuncta** HY. EDWARDS, Pap., iii, 34, 1883.

*945. **dispalata** HY. EDWARDS, Pap., iv, 13, 1884; HAMPSON, C. no. 180. — Tex., Mex.

syn. *gracilenta* GRAEF, *desperata* KIRBY.

*946. **brannani** STRETCH, Zyg. Bomb. N. A., 8, 1872; HAMPSON, C. no. 181. — Cal.

ALYPIA Hübner.

Hübner, Verz. bek. Schmett., 351, 1825; Hampson, C. 635.

947. **ridingsii** Grote. Proc. Ent. Soc. Phil., iii, 521, 1864; Hampson, C. no. 179. — Rocky Mts.

948. **mariposa** Grote & Robinson, Trans. Am. Ent. Soc., i, 329, 1868; Hampson, C. no. 185. — Cal.

a. **lunata** Stretch, Zyg. Bomb. N. A., 15, 1872.

949. **octomaculata** Fabricius, Syst. Ent., 830, 1775; Hampson, C. no. 182. — Atl. States.

syn. *bimaculata* Gmelin, *quadriguttalis* Hübner, *matuta* Hy. Edwards.

a. **albomaculata** Stoll, Pap. Exot., pl. 345, f. C, 1782.

950. **wittfeldii** Hy. Edwards, Pap., iii, 34, 1883. — Fla.

*951. **dipsaci** Grote & Robinson, Trans. Am. Ent. Soc., i, 326, 1868; Hampson, C. no. 183. — Tex., Mex.

952. **langtonii** Couper, Can. Nat., (2), ii, 64, 1865; Hampson, C. no. 184. — Can., Cal.

syn. *sacramenti* Grote & Robinson, *hudsonica* Hy. Edwards.

ALYPIODES Grote.

Grote, Trans. Kans. Acad. Sci., viii, 46, 1883; Hampson, C. 641.

953. **bimaculata** Herrich-Schaeffer, Ausser. Schmett., f. 26, 1853; Hampson, C. no. 187. — So. Cal., Mex., N. Mex.

syn. *trimaculata* Boisduval.

a. **crescens** Walker, Cat. Brit. Mus., vii, 1774 1856.

syn. *grotei* Boisduval, *flavilinguis* Grote.

b. **dugesii** Cockerell, Ent. News, vi, 201, 1895.

PSEUDALYPIA Hy. Edwards.

Hy. Edwards, Proc. Cal. Acad. Sci., v, 101, 1874; Hampson, C. 634.

*954. **crotchii** Hy. Edwards, Proc. Cal. Acad. Sci., v, 101, 1874; Hampson, C. no. 178. — Cal.

a. **atrata** Hy. Edwards, Pap., iv, 121, 1884.

955. **geronimo** Barnes, Can. Ent., xxxii, 44, 1900. — Ariz.

COPIDRYAS Grote.

Grote, Can. Ent., viii, 99, 1876.

956. **gloveri** Grote & Robinson, Trans. Am. Ent. Soc., ii, 185, 1868; Hampson, C. no. 154. — Tex., Ariz.

Family NOCTUIDÆ.

(C.=Smith, Bull. 44, U. S. Nat. Mus., 1893.

Subfamily NOCTUINÆ.

PANTHEA Hübner.

Hübner, Verz. bek. Schmett., 203, 1816; Smith, C. 31.

957. **furcilla** Packard, Proc. Ent. Soc. Phil., iii, 374, 1864; Smith, C. 31; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 15, 1898. — Atl. States.

958. **portlandia** Grote, Mitth. Roem. Mus. Hild., 14, 1896; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 17, 1898. — Pac. States.

959. **gigantea** French, Can. Ent., xxii, 134, 1890; Smith, C. 31; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 16, 1898. — Col.

960. **acronyctoides** Walker, Can. Nat. Geol., vi, 37, 1861; Smith, C. 31; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 18, 1898. — Atl. States.

syn. *leucomelana* Morrison, *cucomelana* Smith, C. 31.

DEMAS Stephens.

Stephens, Ill. Brit. Ent., Haust., ii, 59, 1829.

961. **propinquilinea** Grote, Trans. Am. Ent. Soc., iv, 293, 1873; Smith C. 32; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 20, 1898. — Atl. States.

962. **flavicornis** Smith, Bull. Brook. Ent. Soc., vii, 3, 1884; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 22, 1898. — Atl. States.

963. **palata** Grote, Can. Ent., xii, 258, 1880; Smith, C. 31; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 23, 1898. — Col., Ariz.

CHARADRA Walker.

Walker, Cat. Brit. Mus., xxxii, 445, 1865.

964. **deridens** Guenée, Spec. Gén., v, 35, 1852; Smith, C. 32; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 25, 1898. — Atl. States.

syn. *circulifera* Walker, *contigua* Walker.

965. **dispulsa** Morrison, Proc. Bost. Soc. Nat. Hist., xvii, 213, 1874; Smith, C. 33; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 27, 1898. — So. States.

966 **decora** MORRISON, Proc. Acad. Nat. Sci. Phil., 55, 1875; SMITH, C. 33; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 28, 1898. — Mex., Ariz.?

syn. *felina* DRUCE, Biol. Cent. Am., Lep. Het., ii, 471, 1898.

*967. **illudens** WALKER, Cat. Brit. Mus., ix, 37, 1856. — Mex., Fla.

syn. *pythion* DRUCE, Biol. Cent. Am., Lep. Het., i, 259, 1889; ii, 471, 1892.

RAPHIA Hübner.

HÜBNER, Verz. bek. Schmett., 212, 1816; *Certila* WALKER, Cat. Brit. Mus., xxxii, 448, 1865; *Saligena* WALKER, Cat. Brit. Mus., xxxii, 605, 1865.

968. **frater** GROTE, Proc. Ent. Soc. Phil., ii, 435, 1863; SMITH, C. 32. — Atl. States.

syn. *personata* WALKER, *flexuosa* WALKER, Cat. Brit. Mus., xxxii, 449, 1865.

969. **coloradensis** PUTNAM-CRAMER, Ent. Am., ii, 142, 1886; SMITH, C. 32. — Col., Cal.

syn. *pallula* HY. EDWARDS.

970. **abrupta** GROTE, Proc. Ent. Soc. Phil., ii, 336, 1863; SMITH, C. 32. — Atl. States, Col.

APATELA Hübner.

HÜBNER, Tent., 1810; *Acronicta* OCHSENHEIMER, Schm. Eur., iv, 62, 1816; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 28, 1898; *Triana* HÜBNER, Verz. bek. Schmett., 200, 1816; *Hyboma* HÜBNER, Verz. bek. Schmett., 200, 1816; *Jochara* HÜBNER, Verz. bek. Schmett., 201, 1816; *Arctomycis* HÜBNER, Verz. bek. Schmett., 202, 1816; *Pharetra* HÜBNER, Verz. bek. Schmett., 202, 1816; *Megacromycta* GROTE, Bull. Buff. Soc., i, 79, 1873; *Lepitoreuma* GROTE, Bull. Buff. Soc., i, 80, 1873; *Eulonche* GROTE, Bull. Buff. Soc., i, 81, 1873; *Mastiphanes* GROTE, New Ch. List, 23, 1882; *Merolonche* GROTE, New Ch. List, 23, 1882; *Cuspidia* CHAPMAN, Ent. Rec., i, 27, 1890; *Viminia* CHAPMAN, Ent. Rec., i, 26, 1890; *Tricholonche* GROTE, Die Apateliden, 16, 1896; *Philorgyia* GROTE, Die Apateliden, 17, 1896.

971. **rubricoma** GUENÉE, Spec. Gén., v, 49, 1852; SMITH, C. 42; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 42, 1898. — So. Atl. States.

972. **americana** HARRIS, Rep. Ins. Mass., 317, 1841; SMITH, C. 40. — Atl. States.

syn. *acericola* GUENÉE, Spec. Gén., v, 48, 1852; SMITH, C. 41; *obscura* HY. EDWARDS, Ent. Amer., ii, 169, 1886; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 44, 1898.

973. **hastulifera** SMITH & ABBOT, Lep. Ins. Ga., ii, 183, 1797; SMITH, C. 41; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 47, 1898. — Atl. States.

974. **hesperida** SMITH, Ent. News, viii, 148, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 49, 1898. — Pac. States.

975. **dactylina** GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 239, 1874; SMITH, C. 40; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 51, 1898. — Atl. States.

976. **felina** GROTE, Bull. Geol. Surv. Terr., v, 208, 1880; SMITH, C. 39; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 53, 1898. — Pac. States.

977. **frigida** SMITH, Ent. News, viii, 148, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 54, 1898. — Pac. States.

978. **pacifica** SMITH, Ent. News, viii, 148, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 56, 1898. — Pac. States.

979. **insita** WALKER, Cat. Brit. Mus., ix, 61, 1856; SMITH, C. 41; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 56, 1898. — Atl. States.

980. **canadensis** SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 57, 1898; SMITH, Can. Ent., xxxii, 334, 1900. — No. Rocky Mts.

981. **cretata** SMITH, Ent. News, viii, 148, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 58, 1898. — Col.

982. **leporina** LINNÆUS, Syst. Nat., 109, 1766; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 59, 1898. — Atl. States, Eur.

syn. *vulpina* GROTE; SMITH, C. 40; *sancta* HY. EDWARDS.

983. **populi** RILEY, 2d Rept. Ins. Mo., 119, 1870; SMITH, C. 40; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 61, 1898. — Atl. States.

984. **lepusculina** GUENÉE, Spec. Gén., v, 46, 1852; SMITH, C. 39; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 63, 1898. — Atl. States.

985. **cinderella** SMITH, Ent. News, viii, 149, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 64, 1898. — Rocky Mts.

986. **transversata** SMITH, Ent. News, viii, 149, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 65, 1898. — Col.

987. **tota** GROTE, No. Am. Ent., i, 12, 1879; SMITH, C. 39; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 66, 1898. — Tex.

988. **innotata** GUENÉE, Spec. Gén., v, 50, 1852; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 73, 1898. — Atl. States.

syn. *graefii* GROTE.

989. **betulæ** RILEY, Bull. Brook. Ent. Soc., vii, 2, 1884; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxxi, 75, 1898. — Atl. States.

990. **morula** GROTE, Trans. Am. Ent. Soc., ii, 196, 1868; SMITH, C. 36; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 76, 1898. — Atl. States.
syn. *ulmi* HARRIS.

991. **interrupta** GUENÉE, Spec. Gén., v, 46, 1852. — Atl. States.
syn. *occidentalis* GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 16, 1866; SMITH, C. 35; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 79, 1898.

992. **lætifica** SMITH, Ent. News, viii, 150, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 89, 1898. — Atl. States.

993. **lobeliæ** GUENÉE, Spec. Gén., v, 44, 1852; SMITH C. 36; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 82, 1898. — Atl. States.

994. **furcifera** GUENÉE, Spec. Gén., v, 44, 1852; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 85, 1898. — Atl. States.

995. **hasta** GUENÉE, Spec. Gén., v, 45, 1852; SMITH, C. 36; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 87, 1898. — Atl. States.
syn. *telum* GUENÉE.

996. **manitoba** SMITH, Ent. News, viii, 150, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 90, 1898. — Man.

997. **thoracica** GROTE, No. Am. Ent., i, 94, 1879; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 91, 1898. — N. Mex.

998. **strigulata** SMITH, Ent. News, viii, 150, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 92, 1898. — Col.

999. **radcliffei** HARVEY, Bull. Buff. Soc., ii, 270, 1875; SMITH, C. 39; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 107, 1898. — Atl. States.

1000. **quadrata** GROTE, Bull. Buff. Soc., ii, 154, 1874; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 106, 1898. — So. States.

1001. **spinigera** GUENÉE, Spec. Gén., v, 45, 1852; SMITH, C. 39; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 122, 1898. — Atl. States.
syn. *harveyana* GROTE, Proc. Acad. Nat. Sci. Phil., 418, 1875; SMITH, C. 39.

1002. **clarescens** GUENÉE, Spec. Gén., v, 54, 1852. — Atl. States.
syn. *pruni* HARRIS, Ent. Corr., 313, 1869; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 123, 1898; SMITH, Can. Ent., xxxii, 335, 1900.

1003. **hamamelis** Guenée, Spec. Gén., v, 52, 1852; Smith, C. 44; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 141, 1898. — Atl. States.

syn. *subochrea* Grote, Bull. Buff. Soc., ii, 153, 1874; Smith, C. 42.

1004. **superans** Guenée, Spec. Gén., v, 53, 1852; Smith, C. 43; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 119, 1898. — Atl. States.

1005. **lithospila** Grote, Proc. Bost. Soc. Nat. Hist., xvi, 240, 1874; Smith, C. 45; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 89, 1898. — Atl. States.

1006. **tritona** Hübner, Zutr. exot. Schmett., f. 107, 1818; Smith, C. 37; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 104, 1898. — Atl. States.

1007. **connecta** Grote, Bull. Buff. Soc., i, 79, 1873; Smith, C. 43; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 115, 1898; Dyar, Jn. N. Y. Ent. Soc., vii, 253, 1899. — Atl. States.

1008. **funeralis** Grote, Proc. Ent. Soc. Phil., vi, 17, 1866; Smith, C. 43; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 102, 1898. — No. Atl. States.

1009. **fragilis** Guenée, Spec. Gén., v, 34, 1852; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 94, 1898. — No. Atl. States.

syn. *spectans* Walker.

1010. **minella** Dyar, Jn. N. Y. Ent. Soc., vi, 41, 1898. — Col.

1011. **paupercula** Grote, Proc. Acad. Nat. Sci. Phil., 197, 1874; Smith, C. 38; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 97, 1898. — Tex.

1012. **vinnula** Grote, Proc. Ent. Soc. Phil., ii, 436, 1864; Smith, C. 38; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 93, 1898. — Atl. States.

1013. **revellata** Smith, Ent. News, viii, 150, 1897; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 112, 1898. — Col.

1014. **grisea** Walker, Cat. Brit. Mus., ix, 56, 1856; Smith, C. 37; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 113, 1898. — Atl. States.

syn. *pudorata* Morrison.

1015. **mansueta** Smith, Ent. News, viii, 151, 1897; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 100, 1898. — Pac. States.

*1016. **falcula** Grote, Can. Ent., ix, 86, 1877; Smith, C. 38; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 109, 1898. — Miss. Vall.

1017. **parallela** Grote, Can. Ent., ix, 53, 1877; Smith, C. 38; Smith & Dyar, Proc. U. S. Nat. Mus., xxi, 110, 1898. — Tex.

1018. **afflicta** GROTE, Proc. Ent. Soc. Phil., ii, 438, 1864; SMITH, C. 42; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 127, 1898. — Atl. States.

1019. **persuasa** HARVEY, Bull. Buff. Soc., ii, 271, 1875; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 130, 1898. — Tex.

1020. **liturata** SMITH, Ent. News, viii, 151, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 129, 1898. — Col.

1021. **marmorata** SMITH, Ent. News, viii, 151, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 131, 1898. — Mont., Cal.

1022. **albarufa** GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 239, 1874; SMITH, C. 38; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 134, 1898. — Atl. States.
syn. *walkeri* ANDREWS.

1023. **increta** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 131, 1874; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 144, 1898. — Atl. States.

1024. **modica** WALKER, Cat. Brit. Mus., ix, 56, 1856; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 138, 1898. — Atl. States.
syn. *exilis* GROTE.

1025. **ovata** GROTE, Bull. Buff. Soc., i, 80, 1873; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 135, 1898. — Atl. States.

1026. **brumosa** GUENÉE, Spec. Gén., v, 52, 1852; SMITH, C. 43; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 117, 1898. — Atl. States.
syn. *inclara* SMITH, Can. Ent., xxxii, 335, 1900.

1027. **hæsitata** GROTE, Bull. Geol. Surv. Terr., vi, 575, 1882; SMITH, C. 44; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 140, 1898. — Atl. States.

1028. **retardata** WALKER, Can. Nat. Geol., vi, 38, 1861; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 145, 1898. — Atl. States.
syn. *dissecta* GROTE & ROBINSON.

1029. **sperata** GROTE, Bull. Buff. Soc., i, 81, 1873; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 154, 1898. — Atl. States.

1030. **noctivaga** GROTE, Proc. Ent. Soc. Phil., ii, 437, 1864; SMITH, C. 42; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 156, 1898. — Atl. States.

1031. **impressa** WALKER, Cat. Brit. Mus., ix, 61, 1856; SMITH, C. 41; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 159, 1898 (larva of *distans* in error). — Atl. States.

syn. *fasciata* WALKER, *verrilii* GROTE & ROBINSON.

1032. **distans** GROTE, Can. Ent., xi, 38, 1879; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 161, 1898 (larva of *impressa* in error). — Atl. States.

1033. **barnesii** SMITH, Ent. News, viii, 153, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 162, 1898. — Col.

1034. **perdita** GROTE, Can. Ent., vi, 154, 1874; SMITH, C. 42; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 163, 1898. — Pac. States.

1035. **edolata** GROTE, Pap., i, 153, 1881; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 164, 1898. — Ariz.

1036. **extricata** GROTE, Bull. Geol. Surv. Terr., vi, 575, 1882; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 165, 1898. — Tex.

1037. **xyliniformis** GUENÉE, Spec. Gén., v, 50, 1852; SMITH, C. 45; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 166, 1898. — Atl. States.

syn. *longa* GUENÉE, *pallidicoma* GROTE.

1038. **emaculata** SMITH, Ent. News, viii, 152, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 158, 1898. — Pac. States.

1039. **impleta** WALKER, Cat. Brit. Mus., ix, 57, 1856; SMITH, Can. Ent., xxxii, 334, 1900. — U. S.

syn. *luteicoma* GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 179, 1870; SMITH, C. 42; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 152, 1898.

1040. **illita** SMITH, Ent. News, viii, 152, 1897; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 151, 1898. — Col., B. C.

1041. **oblinita** SMITH & ABBOT, Lep. Ins. Ga., ii, 187, 1797; SMITH, C. 46; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 169, 1898. — Atl. States.

syn. *salicis* HARRIS.

1042. **lanceolaria** GROTE, Proc. Acad. Nat. Sci. Phil., 418, 1875; SMITH, C. 46; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 171, 1898. — Atl. States.

*1043. **insolita** GROTE, Bull. Buff. Soc., i, 82, 1873; SMITH, C. 46; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 173, 1898. — Atl. States.

*1044. **arioch** STRECKER, Lep. Rhop. Het., suppl. 1, 5, 1898. — La.

*1045. **gasta** STRECKER, Lep. Rhop. Het., suppl. 1, 5, 1898. — Ill.

APHARETRA Grote.

GROTE, Proc. Ent. Soc. Wash., iv, 368, 1901.

1046. **dentata** GROTE, Can. Ent., vii, 222, 1875; SMITH, C. 37; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 173, 1898. — No. Atl. States.

1047. **pyralis** SMITH, Ent. News, vii, 26, 1896; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 174, 1898. — Rocky Mts.

ARSILONCHE Lederer.

LEDERER, Noct. Eur., 70, 1857; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 174, 1898.

1048. **colorada** SMITH, Proc. U. S. Nat. Mus., xxii, 414, 1900. — Col.

1049. **albovenosa** GOEZE, Ent. Beitr., iii, 3, 251, 1781; SMITH, C. 34; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 175, 1898. — Atl. States, Eur.

a. **fumosum** MORRISON, Bull. Buff. Soc., i, 275, 1873.

b. **henrici** GROTE, Bull. Buff. Soc., i, 10, 1873.

c. **evanidum** GROTE, Bull. Buff. Soc., i, 10, 1873.

MEROLONCHE Grote.

GROTE, Ill. Essay, 50, 1882.

1050. **lupini** GROTE, Bull. Buff. Soc., i, 79, 1873; SMITH, C. 35; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 179, 1898. — Pac. States.

1051. **ursina** SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 180, 1898. — Col.

*1052. **spinea** GROTE, Bull. Buff. Soc., i, 79, 1873; SMITH, C. 35; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 179, 1898. — Cal.

HARRISIMEMNA Grote.

GROTE, Trans. Am. Ent. Soc., iv, 293, 1873.

1053. **trisignata** WALKER, Cat. Brit. Mus., ix, 29, 1856; SMITH, C. 47; SMITH & DYAR, Proc. U. S. Nat. Mus., xxi, 181, 1898. — Atl. States.

syn. *sexguttata* HARRIS.

MICROCŒLIA Guenée.

Guenée, Spec. Gén., v, 33, 1852.

1054. **dipteroides** Guenée, Spec. Gén., v, 34, 1852; Smith, C. 48. — Atl. States.

a. **obliterata** Grote, Proc. Ent. Soc. Phil., iii, 79, 1864.

JASPIDIA Hübner.

Hübner, Tent., 1806; *Euthales* Hübner; *Bryophila* Treitschke.

1055. **lepidula** Grote, 6th Rept. Peab. Acad. Sci., 23, 1874; Smith, C. 49. — Atl. States.

*1056. **nana** Hübner, Zutr. exot. Schmett., f. 53, 1818; Smith, C. 49. — So. States.

*1057. **corticosa** Guenée, Spec. Gén., v, 30, 1852; Smith, C. 49. — No. Am.

1058. **viridata** Harvey, Can. Ent., viii, 35, 1876; Smith, C. 49. — Cal.

1059. **teratophora** Herrich-Schaeffer, Exot. Schmett., f. 213, 1853; Smith, C. 49. — Atl. States.

DIPHTHERA Hübner.

Hübner, Tent., 1806.

1060. **fallax** Herrich-Schaeffer, Exot. Schmett., f. 211, 1853; Smith, C. 34. — Atl. States.

POLYGRAMMATE Hübner.

Hübner, Verz. bek. Schmett., 203, 1816.

1061. **hebraicum** Hübner, Zutr. exot. Schmett., f. 25, 1818; Smith, C. 48; Dyar, Proc. U. S. Nat. Mus., xxi, 9, 1898. — Atl. States.

syn. *hebræa* Guenée.

CERMA Hübner.

Hübner, Verz. bek. Schmett., 207, 1816.

*1062. **galva** Strecker, Lep. Rhop. Het., suppl. 1, 5, 1898. — N. Y.

1063. **cora** Hübner, Zutr. exot. Schmett., f. 59, 1818; Smith, C. 47. — Atl. States.

syn. *festa* Guenée.

1064. **olivacea** Smith, Trans. Am. Ent. Soc., xviii, 103, 1891; C. 48. — Col., Cal.

CYATHISA Grote.

Grote, Bull. Geol. Surv. Terr., vi, 576, 1882.

1065. **percara** Morrison, Proc. Bost. Soc. Nat. Hist., xvii, 213, 1874; Smith, C. 50. — Fla., Tex., Col.

*1066. **pallida** Smith, Jn. N. Y. Ent. Soc., x, 35, 1902. — Cal.

CHYTONIX Grote.

Grote, Bull. Buff. Soc., ii, 66, 1874.

1067. **palliatricula** Guenée, Spec. Gén., v, 26, 1852; Smith, C. 50. — Atl. States.
syn. *iaspis* Guenée.

1068. **sensilis** Grote, Pap., i, 49, 1881; Smith, C. 50. — Atl. States.

1069. **semifascia** Smith, Proc. U. S. Nat. Mus., xxii, 415, 1900. — Col.

*1070. **connecta** Smith, Trans. Am. Ent. Soc., xxi, 42, 1894. — Tex.

COPIBRYOPHILA Smith.

Smith, Proc. U. S. Nat. Mus., xxii, 416, 1900.

1071. **angelica** Smith, Proc. U. S. Nat. Mus., xxii, 416, 1900. — Cal.

ALEPTINA Dyar.

Dyar, Can. Ent., xxxiv, 105, 1902.

1072. **inca** Dyar, Can. Ent., xxxiv, 105, 1902. — Ariz., Tex.

BAILEYA Grote.

Grote, Abh. nat. Ver. Brem., xiv, 123, 1893; *Leptina* Guenée (not Meigen), Spec. Gén., v, 14, 1852.

1073. **ophthalmica** Guenée, Spec. Gén., v, 15, 1852; Smith, C. 30. — Atl. States.

1074. **australis** Grote, Can. Ent., xiii, 152, 1881; Smith, C. 30. — Tex., Ala.

1075. **doubledayi** Guenée, Spec. Gén., v, 15, 1852; Smith, C. 30. — Atl. States.

1076. **dormitans** Guenée, Spec. Gén., v, 15, 1852; Smith, C. 30. — No. Atl. States.
syn. *latebricola* Grote.

HADENELLA Grote.

GROTE, Pap., iii, 123, 1883.

1077. **pergentilis** GROTE, Pap., iii, 123, 1883; SMITH, C. 164. — Wash., Col., Wyo.

1078. **minuscula** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 147, 1874; SMITH, C. 144. — Atl. States, Col.
syn. *subjuncta* SMITH, Can. Ent., xxx, 323, 1898.

1079. **lævigata** SMITH, Can. Ent., xxx, 321, 1898. — Col.

ACOPA Harvey.

HARVEY, Bull. Buff. Soc., ii, 279, 1874.

1080. **carina** HARVEY, Bull. Buff. Soc., ii, 279, 1874; SMITH, C. 264. — Tex.

1081. **perpallida** GROTE, Can. Ent., x, 68, 1878; SMITH, C. 264. — Kans.

*1082. **incana** HY. EDWARDS, Pap., ii, 128, 1882; SMITH, C. 264. — Ariz.

*1083. **pacifica** HY. EDWARDS, Pap., iv, 46, 1884; SMITH, C. 265. — Ariz.

CATABENA Walker.

WALKER, Cat. Brit. Mus., xxxii, 631, 1865; *Adipsophanes* GROTE.

1084. **lineolata** WALKER, Cat. Brit. Mus., xxxii, 631, 1865; SMITH, C. 194. — Atl. States, Cal.
syn. *miscellus* GROTE.

*1085. **terminellus** GROTE, Can. Ent., xv, 132, 1883; SMITH, C. 194. — Tex.

*1086. **egestis** SMITH, Trans. Am. Ent. Soc., xxi, 77, 1894. — Ariz.

CRAMBODES Guenée.

GUENÉE, Spec. Gén., vi, 152, 1852.

1087. **talidiformis** GUENÉE, Spec. Gén., vi, 152, 1852; SMITH, C. 194. — Atl. States, Col.
syn. *conjugens* WALKER.

PLATYSENTA Grote.

GROTE, 6th Rept. Peab. Acad. Sci., 28, 1874.

1088. **videns** GUENÉE, Spec. Gén., v, 78, 1852; SMITH, C. 184. — Atl. States, Col.
syn. *indigens* WALKER, *meskei* SPEYER, *atriciliata* GROTE.

*1089. **albipuncta** SMITH, Jn. N. Y. Ent. Soc., x, 46, 1902. Tex., Col.

1089. 1. **angustiorata** GROTE, Bull. Geol. Surv. Terr., vi, 584, 1882; SMITH, C. 184. Col.

SENTA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iii, 279, 1829.

1090. **defecta** GROTE, 6th Rept. Peab. Acad. Sci., 29, 1874; SMITH, C. 183. Atl. States.

*1091. **enervata** GUENÉE, Spec. Gén., v, 105, 1852; SMITH, C. 183. Fla.
syn. *fodiens* GUENÉE.

BALSA Walker.

WALKER, Can. Nat. Geol., v, 250, 1860; *Nolophana* GROTE.

1092. **malana** FITCH, Rep. Ins. N. Y., i, 244, 1856; SMITH, C. 193. Atl. States.
syn. *obliquifera* WALKER.

1093. **tristrigella** WALKER, Cat. Brit. Mus., xxxv, 1734 1865; SMITH, C. 193. Atl. States.
syn. *zelleri* GROTE.

1094. **labecula** GROTE, Can. Ent., xii, 217, 1880; SMITH, C. 194. Atl. States.

*1095. **albopunctella** WALKER, Cat. Brit. Mus., xxxv, 1735, 1866; SMITH, C. 194. U. S.

PLATYPERIGEA Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 60, 1894.

1096. **camina** SMITH, Trans. Am. Ent. Soc., xxi, 60, 1894. Col.

1097. **præacuta** SMITH, Trans. Am. Ent. Soc., xxi, 61, 1894. Col.

1098. **discistriga** SMITH, Trans. Am. Ent. Soc., xxi, 61, 1894. Col.

FOTELLA Grote.

GROTE, Can. Ent., xiv, 181, 1882.

*1099. **notalis** GROTE, Can. Ent., xiv, 181, 1882; SMITH, C. 195. Ariz.

ANORTHODES Smith.

SMITH, Trans. Am. Ent. Soc., xviii, 115, 1891.

1100. **prima** SMITH, Trans. Am. Ent. Soc., xviii, 115, 1891; C. 198. — So. Atl. States.

CARADRINA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 80, 1816.

1101. **meralis** MORRISON, Can. Ent., vii, 215, 1875; SMITH, C. 195. — Atl. States, N. Mex.

syn. *bilunata* GROTE.

1102. **multifera** WALKER, Cat. Brit. Mus., x, 293, 1856; SMITH, C. 196. — Atl. States.

syn. *fidicularia* MORRISON

1103. **exigua** HÜBNER, Eur. Schm., 362, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 1990, 1901. — Cal., Col., Eur., Hawaii.

syn. *fulgens* HÜBNER, *junceti* ZELLER, *sebghana* AUSTANT, *orbicularis* WALKER, *venosa* BUTLER, *cilium* GUENÉE, *insulsa* WALKER, *erica* BUTLER, *cycloides* GUENÉE, *caradrinoides* WALKER, *insignata* COTES & SWINHOE, *flavimaculata* HARVEY, Can. Ent., viii, 54, 1876; SMITH, C. 168; MEYRICK, Faun. Haw., i, 153, 1899.

1104. **spilomela** WALKER, Cat. Brit. Mus., xxxii, 648, 1865. — Tex.

syn. *convira* HARVEY; SMITH, C. 196.

1105. **extimia** WALKER, Cat. Brit. Mus., xxxii, 687, 1865; SMITH, C. 196. — Pac. States, Col.

syn. *cirica* GROTE.

1106. **mantalini** SMITH, Trans. Am. Ent. Soc., xxi, 77, 1894. — Col.

1107. **rufostriga** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 36, 1866; SMITH, C. 186. — Lab., Col.

syn. *punctivena* SMITH, Trans. Am. Ent. Soc., xxi, 77, 1894.

*1108. **insipida** STRECKER, Lep. Rhop. Het., suppl. 3, 32, 1900. — Wis.

1109. **miranda** GROTE, Bull. Buff. Soc., i, 11, 169, 1873; SMITH, C. 195. — U. S.

*1110. **tarda** GUENÉE, Spec. Gén., v, 243, 1852; SMITH, C. 195. — W. Va.

*1111. **fragosa** GROTE, Pap., iii, 76, 1883; SMITH, C. 196. — Ariz.

*1112. **derosa** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 121, 1875; SMITH, C. 195. — N. J.

*1113. **fervens** WALKER, Cat. Brit. Mus., x, 266, 1856. — Tex.
syn. *subaquila* HARVEY; SMITH, C. 196.

1114. **leucorena** SMITH, Proc. U. S. Nat. Mus., xxii, 477, 1900. — Cal., Ariz.

PERIGEA Guenée.

GUENÉE, Spec. Gén., v, 225, 1852.

1115. **xanthioides** GUENÉE, Spec. Gén., v, 227, 1852; SMITH, C. 152. — Atl. States.
a. **enixa** GROTE, Bull. Buff. Soc., ii, 310, 1875.

*1116. **iole** GROTE, Proc. Bost. Soc. Nat. Hist., xviii, 414, 1875; SMITH, C. 152. — Fla.

1117. **vecors** GUENÉE, Spec. Gén., v, 230, 1852; SMITH, C. 152. — Atl. States, Col.
syn. *remissa* WALKER, *luxa* GROTE.

1118. **epopea** CRAMER, Pap. Exot., iii, pl. 272, f. G, 1782; SMITH, C. 152. — So. Atl. States.
syn. *cupentina* CRAMER, *infelix* GUENÉE, *palpalis* WALKER, *confederata* GROTE.

1119. **sutor** GUENÉE, Spec. Gén., v, 231, 1852. — Atl. States.
syn. *claufacta* WALKER; SMITH, C. 153; *fabrefacta* MORRISON.

*1120. **falsa** GROTE, Can. Ent., xii, 215, 1880; SMITH, C. 153. — Cal.

1121. **albolabes** GROTE, Can. Ent., xii, 216, 1880; SMITH, C. 154. — Ariz., Col.

*1122. **punctifera** WALKER, Cat. Brit. Mus., x, 263, 1856; SMITH, C. 153. — Antilles, Fla.

*1123. **loculosa** GROTE, Pap., i, 154, 1881; SMITH, C. 154. — Ariz., N. Mex.

*1124. **fasciata** HY. EDWARDS, Ent. Amer., ii, 169, 1886; SMITH, C. 154. — Ariz.

1125. **alfkenii** GROTE, Abh. nat. Ver. Bremen, xiv, 81, 1895. — Cal., Ariz.

1126. **pulverulenta** SMITH, Trans. Am. Ent. Soc., xviii, 105, 1891; C. 154. — Col.

*1127. **continens** HY. EDWARDS, Pap., iv, 122, 1884; SMITH, C. 154. — Ariz.

1128. **veterata** SMITH Trans. Am. Ent. Soc., xxi, 62, 1894. — Col.

1129. **lucetta** SMITH. Proc. U. S. Nat. Mus., xxii, 474, 1900. — Col.

*1130. **cervina** SMITH. Proc. U. S. Nat. Mus., xxii, 475, 1900. — Fla.

1131. **texana** SMITH. Proc. U. S. Nat. Mus., xxii, 476, 1900. — Tex.

1132. **consors** SMITH. Proc. U. S. Nat. Mus., xxii, 477, 1900. — Ariz.

*1133. **proxima** MORRISON. Proc. Bost. Soc. Nat. Hist., xviii, 240, 1875; SMITH, C. 155. — Tex.

*1134. **mersa** MORRISON. Proc. Bost. Soc. Nat. Hist., xviii, 120, 1875; SMITH, C. 155. — Cal.

*1135. **niveirena** HARVEY. Can. Ent., viii, 53, 1876; SMITH, C. 154. — B. C.

OLIGIA Hübner.

HÜBNER, Verz. bek. Schmett., 404, 1816.

1136. **festivoides** GUENÉE. Spec. Gén., v, 220, 1852; SMITH, C. 149. — Atl. States.

syn. *varia* WALKER.

1137. **chalcedonia** HÜBNER. Eur. Schmett., Noct., 404, 1815; SMITH, C. 150. — Atl. States. Col., N. Mex.

syn. *vincta* WALKER, *irresoluta* WALKER, *arna* GUENÉE, *tracta* GROTE.

1138. **versicolor** GROTE. Proc. Acad. Nat. Sci. Phil., 204, 1874; SMITH, C. 150. — Atl. States.

1139. **exesa** GUENÉE. Spec. Gén., v, 222, 1852; SMITH, C. 150. — Fla.

syn. *floridiana* WALKER.

1140. **fuscimacula** GROTE. Bull. Geol. Surv. Terr., vi, 262, 1881; SMITH, C. 151. — Fla., Tex.

1141. **grata** HÜBNER. Zutr. exot. Schmett., f. 71, 1819; SMITH, C. 151. — Atl. States.

syn. *vasilis* MORRISON.

1142. **nucicolora** GUENÉE. Spec. Gén., v, 24, 1852; SMITH, C. 151. — Fla., Tex.

syn. *unsignata* WALKER, *paginata* MORRISON, *clara* HARVEY.

1143. **trientiplaga** WALKER. Cat. Brit. Mus., xv, 1677, 1858; DYAR, Proc. Ent. Soc. Wash., iv, 453, 1901. — Fla., So. Am.

syn. *aduncula* FELDER, Reise Novara, Lep., pl. 110, f. 4, 1872.

*1144. **rubiginosa** WALKER. Cat. Brit. Mus., xxxii, 674, 1865. — B. C.

HILLIA Grote.

Grote, Proc. Ent. Soc. Phil., xxxi, 168, 1883.

1145. **crassis** Herrich-Schaeffer, Schmett. Eur., ii, 361, 1845; Smith, C. 147. — No. Atl. States. Col., Eur.
syn. *erdmani* Möschler, *semisigna* Walker, *senescens* Grote, *vigilans* Grote.

1146. **algens** Grote, Can. Ent., x, 236, 1878; Smith, C. 147. — Me., N. Y., Col.

1147. **discinigra** Walker, Cat. Brit. Mus., ix, 27, 1856; Smith, C. 148. — Can.

HADENA Schrank.

Schrank, Faun. Boica, ii, 2, 158, 1802; *Luperina* Boisduval, Ind. Méth., i, 77, 1829; *Xylophasia* Stephens, Ill. Brit. Ent., Haust., ii, 174, 1829; *Apamea* Ochsenheimer, Schm. Eur., iv, 75, 1816; *Xylena* Hübner, Tent., 1806; *Cladocera* Rambur (not Hope), Cat. Lep. And., pl. 6, 1858; *Helioscota* Grote, Abh. nat. Ver. Brem., xiv, 78, 1895; *Achatia* Hübner, Tent., 1806.

1148. **evelina** French, Can. Ent., xx, 71, 1888; Smith, C. 141. — Cal., Col.

1149. **bridghami** Grote & Robinson, Proc. Ent. Soc. Phil., vi, 17, 1866; Smith, C. 141. — Atl. States.

1150. **transfrons** Neumoegen, Pap., iii, 139, 1883; Smith, C. 141. — B. C.

1151. **violacea** Grote, Bull. Geol. Surv. Terr., vi, 261, 1881; Smith, C. 141. — Cal., Col.

1152. **leucoscelis** Grote, Sixth Rept. Peab. Acad. Sci., 26, 1874; Smith, C. 142. — Atl. States, Col.
syn. *fibulata* Morrison.

1153. **claudens** Walker, Cat. Brit. Mus., ix, 753, 1857; Smith, C. 142. — No. Atl. States.
syn. *hillii* Grote.

1154. **paviæ** Behr in Strecker, Lep. Rhop. Het., 94, 1874; Smith, C. 142. — Cal.
syn. *inconspicua* Smith, 142.

1155. **binotata** Walker, Cat. Brit. Mus., xxxii, 663, 1865; Smith, C. 142. — Pac. States.
syn. *curvata* Grote, *exversa* Walker.

1156. **adnixa** Grote, Can. Ent., xii, 243, 1880; Smith, C. 142. — Nev.

1157. **indirecta** Grote, Can. Ent., vii, 28, 1875; Smith, C. 143. — Pac. States, Col.

1158. **modica** GUENÉE, Spec. Gén., v, 207, 1852; SMITH, C. 146. — Atl. States, Col.
syn. *subcedens* WALKER.

1159. **hausta** GROTE, Can. Ent., xiv, 217, 1882; SMITH, C. 146. — No. Atl. States, N. M.

1160. **characta** GROTE, Can. Ent., xii, 243, 1880; SMITH, C. 143. — Nev., Ariz.

1161. **genetrix** GROTE, Can. Ent., x, 237, 1878; SMITH, C. 143. — Nev., Ariz.

1162. **patina** HARVEY, Bull. Buff. Soc., iii, 7, 1875; SMITH, C. 146. — Tex., D. C.

*1163. **egens** WALKER, Cat. Brit. Mus., x, 263, 1856; SMITH, C. 144. — Can., Col.

1164. **unicincta** SMITH, Jn. N. Y. Ent. Soc., x, 41, 1902. — Cal.

1165. **diversicolor** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 132, 1874; SMITH, C. 146. — No. Atl. States.

1166. **mactata** GUENÉE, Spec. Gén., v, 207, 1852; SMITH, C. 145. — Atl. States, Col.

1167. **turbulenta** HÜBNER, Zutr. exot. Schmett., f. 67, 1820; SMITH, C. 145. — Atl. States.
syn. *arcuata* WALKER.

1168. **divesta** GROTE, Can. Ent., vi, 215, 1874; SMITH, C. 143. — Pac. States, Col.

*1169. **tusa** GROTE, Bull. Geol. Surv. Terr., iv, 177, 1878; SMITH, C. 143. — Cal.

*1170. **tonsa** GROTE, Can. Ent., xii, 214, 1880; SMITH, C. 143. — Nev.

1171. **chryselectra** GROTE, Can. Ent., xii, 244, 1880; SMITH, C. 147. — Col.
syn. *benigna* HY. EDWARDS, Pap., iv, 122, 1884; SMITH, C. 154.

1173. **fumosa** GROTE, Bull. Geol. Surv. Terr., v, 205, 1879; SMITH, C. 143. — Col., Wash.

*1174. **tortilis** GROTE, Bull. Brook. Ent. Soc., iii, 46, 1880; SMITH, C. 146. — Wash.

1175. **marina** GROTE, Bull. Buff. Soc., ii, 67, 1874; SMITH, C. 145. — Cal.

1176. **didonea** SMITH, Trans. Am. Ent. Soc., xxi, 58, 1894. — Col.

1177. **antennata** SMITH, Proc. U. S. Nat. Mus., xiii, 439, 1890; C. 140. — Cal.

1178. **viridimusca** SMITH, Can. Ent., xxi, 262, 1899. — Ohio.

*1179. **loda** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. — Wash.

*1180. **una** STRECKER, Lep. Rhop. Het., suppl. 3, 32, 1900. — Wis.

*1181. **thula** STRECKER, Lep. Rhop. Het., suppl. 1, 7, 1898. — Wash.

1182. **luteocinerea** SMITH, Proc. U. S. Nat. Mus., xxii, 468, 1900. — Mont.

1183. **lætabilis** SMITH, Can. Ent., xxi, 264, 1899. — N. Mex.

1184. **pausis** SMITH, Can. Ent., xxi, 262, 1899. — Cal.

*1185. **moilena** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. — Col.

*1186. **lona** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. — Wash., Man.

syn. *runata* SMITH, Can. Ent., xxxi, 257, 1899.

1187. **catalina** SMITH, Can. Ent., xxi, 261, 1899. — Ariz.

1188. **virguncula** SMITH, Can. Ent., xxi, 259, 1899. — Col.

1189. **barnesii** SMITH, Can. Ent., xxi, 258, 1899. — So. Dak., Col.

1190. **dionea** SMITH, Can. Ent., xxi, 258, 1899. — So. Dak.

*1191. **satina** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. — Anticosti.

1192. **mustelina** SMITH, Proc. U. S. Nat. Mus., xxii, 469, 1900. — Cal.

1193. **tenera** SMITH, Proc. Wash. Acad. Sci., ii, 491, 1900. — Alaska.

1194. **jocasta** SMITH, Proc. U. S. Nat. Mus., xxii, 470, 1900. — Dak., Ill.

1195. **tela** SMITH, Proc. U. S. Nat. Mus., xxii, 470, 1900. — Ariz.

1196. **tapeta** SMITH, Proc. U. S. Nat. Mus., xxii, 467, 1900. — Fla.

*1197. **cluna** STRECKER, Lep. Rhop. Het., suppl. 1, 7, 1898. — Ill.

1198. **allecto** SMITH, Can. Ent., xxi, 260, 1899. — B. C., Man., Dak.

1199. **versuta** SMITH, Ent. News, vii, 27, 1896. — Alberta.

*1200. **dilara** STRECKER, Lep. Rhop. Het., suppl. 1, 7, 1898. — Col.

1201. **ethnica** SMITH, Can. Ent., xxi, 263, 1899. — Cal.

1202. **miseloides** GUENÉE, Spec. Gén., vi, 89, 1852; SMITH, C. 145; Jn. N. Y. Ent. Soc., x, 39, 1902. — Atl. States.
a. **miscellus** SMITH, Jn. N. Y. Ent. Soc., x, 40, 1902.

1203. **macerata** SMITH, Jn. N. Y. Ent. Soc., x, 40, 1902. — Man.

*1204. **chlorostigma** HARVEY, Can. Ent., viii, 53, 1876; SMITH, C. 145. — Tex., Ill.

1205. **semicana** WALKER, Cat. Brit. Mus., xxxii, 675, 1865; SMITH, C. 144. — Col., Atl. States.
syn. *vulviraga* MORRISON.
a. **fractilinea** GROTE, Can. Ent., vi, 15, 1874; SMITH, C. 144.
b. **modiola** GROTE, Bull. Geol. Surv. Terr., v, 204, 1879.

1206. **misera** GROTE, Bull. Geol. Surv. Terr., vi, 582, 1882; SMITH, C. 144. — Atl. States.

1207. **cylindrica** GROTE, Can. Ent., xii, 214, 1880; SMITH, C. 146. — Nev.

1208. **basilinea** FABRICIUS, Mant. Ins., 183, 1787; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 1710, 1901. — N.-W. Pac. States, Eur.
a. **cerviana** SMITH, Can. Ent., xxxii, 220, 1900.

*1209. **smaragdina** NEUMOEGEN, Pap., iii, 140, 1883; SMITH, C. 145. — Ariz.

1210. **niveivenosa** GROTE, Bull. Geol. Surv. Terr., v, 206, 1879; SMITH, C. 131. — Mont., Col.

1211. **stipata** MORRISON, Proc. Acad. Nat. Sci. Phil., 64, 1875; SMITH, C. 131. — No. Atl. States.

1212. **passer** GUENÉE, Spec. Gén., v, 195, 1852; SMITH, C. 131. — No. Atl. States, Col., Oreg.
syn. *incallida* WALKER, *loculata* MORRISON, *viralis* GROTE.
a. **conspicua** MORRISON, Bull. Buff. Soc., ii, 110, 1874.

1213. **trigona** SMITH, Jn. N. Y. Ent. Soc., x, 39, 1902. — Tenn.

1214. **burgessi** MORRISON, Bull. Buff. Soc., ii, 109, 1874; SMITH, C. 132. — Mass., Ariz., Nebr.
syn. *discors* GROTE.

1215. **longula** GROTE, Bull. Geol. Surv. Terr., v, 204, 1879; SMITH, C. 132. — Rocky Mts., Kans., Wash.

1216. **contradicta** SMITH, Ent. News, vii, 28, 1896. — Alberta.

1217. **remissa** HÜBNER, Eur. Schmett., Noct., 423, 1812; SMITH, C. 132. — Atl. States.
syn. *indocilis* WALKER.

1218. **separans** GROTE, Bull. U. S. Geol. Surv. Terr., vi, 260, 1880; SMITH, C. 133. — N. Y., Wis.

1219. **suffusca** MORRISON, Proc. Acad. Nat. Sci. Phil., 61, 1875; SMITH, C. 133. — Atl. States, Col.

1220. **vultuosa** GROTE, Proc. Acad. Nat. Sci. Phil., 420, 1875; SMITH, C. 134. — Atl. States.

1221. **apamiformis** GUENÉE, Spec. Gén., v, 137, 1852; SMITH, C. 133. — Atl. States, Col.
syn. *contenta* WALKER.

1222. **exornata** MÖSCHLER, Wien. ent. Mon., iv, 364, 1864; SMITH, C. 134. — Lab., Col.

1223. **morna** STRECKER, Rep. Ch. Eng., Ruffner, v, 1861, 1879; SMITH, C. 134. — Col.
syn. *hulstii* GROTE, No. Am. Ent., i, 93, 1880; SMITH, C. 134.

1224. **finitima** GUENÉE, Spec. Gén., v, 206, 1852; SMITH, C. 134. — No. U. S.

1225. **lateritia** HÜBNER, Berl. Mag., iii, 306, 1767; SMITH, C. 134. — No. U. S., Eur.
syn. *molochina* HÜBNER, *obliviosa* WALKER.

1226. **cogitata** SMITH, Proc. U. S. Nat. Mus., xiii, 421, 1890; C. 135. — No. U. S.

1227. **dubitans** WALKER, Cat. Brit. Mus., ix, 232, 1856; SMITH, C. 135. — No. Atl. States.
syn. *insignata* WALKER, *sputatrix* GROTE.

1228. **plutonia** GROTE, Can. Ent., xv, 9, 1883; SMITH, C. 135. — Me., Wis.

1229. **alticola** SMITH, Proc. U. S. Nat. Mus., xxiii, 423, 1890; C. 136. — Col.

1230. **ducta** GROTE, Bull. Geol. Surv. Terr., iv, 176, 1878; SMITH, C. 136. — No. U. S.

1231. **impulsa** GUENÉE, Spec. Gén., v, 194, 1852; SMITH, C. 136. — Atl. States.
a. **mixta** GROTE, Bull. Geol. Surv. Terr., vi, 264, 1880.

1232. **devastatrix** BRACE, Am. Jn. Sci., i, 154, 1819; SMITH, C. 136. — U. S.
syn. *ordinaria* WALKER, *contenta* WALKER, *marshallana* WESTWOOD.

1233. **exulis** LEFÈBRE, Ann. Soc. Ent. Fr., v, 393, 1836; SMITH, C. 137. — Lab., Greenl.

syn. *gelata* LEFÈBRE, *groenlandica* ZETTERSTEDT, *marmorata* ZETTERSTEDT, *diffusa* GEYER, *gelida* GUENÉE, *poli* GUENÉE, *borea* GUENÉE.

*1234. **sommeri** LEFÈBRE, Ann. Soc. Ent. Fr., iii, 391, 1836; SMITH, C. 137. — Lab., Greenl.

1235. **arctica** BOISDUVAL, Gen. Ind. Méth., 120, 1840; SMITH, C. 137. — Atl. States, Col.

syn. *amputatrix* FITCH.

1236. **albina** GROTE, Bull. Buff. Soc., ii, 157, 1874; SMITH, C. 138. — Cal.

1237. **pluviosa** WALKER, Cat. Brit. Mus., xxxiii, 725, 1865; SMITH, C. 138. — Pac. States.

syn. *castanea* GROTE, *cymosa* GROTE.

1238. **occidens** GROTE, Bull. U. S. Geol. Surv. Terr., iv, 177, 1878; SMITH, C. 138. — Col., Cal.

*1239. **perpensa** GROTE, Can. Ent., xiii, 229, 1883; SMITH, C. 138. — Ariz., New Mex.

1240. **cuculliformis** GROTE, Check List Noct., 24, 1875; SMITH C. 139. — Cal.

1241. **verbascoides** GUENÉE, Spec. Gén., v, 141, 1852; SMITH, C. 139. — Atl. States.

1242. **nigrior** SMITH, Proc. U. S. Nat. Mus., xiii, 437, 1890; C. 139. — Me.

1243. **cariosa** GUENÉE, Spec. Gén., v, 144, 1852; SMITH, C. 139. — No. U. S., Ariz.

syn. *idonea* GROTE.

1244. **vulgaris** GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 19, 1866; SMITH, C. 139. — Atl. States.

*1245. **cristata** GROTE, Bull. Geol. Surv. Terr., iv, 176, 1878; SMITH, C. 140. — N. Y.

1246. **relecina** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 216, 1874; SMITH, C. 140. — Tex., Col.

1247. **cinefacta** GROTE, Pap., i, 77, 1881; SMITH, C. 140. — Pac. States, Col.

1248. **centralis** SMITH, Proc. U. S. Nat. Mus., xiii, 141, 1890; C. 140. — Cal.

1249. **auranticolor** GROTE, Bull. Buff. Soc., i, 109, 1873; SMITH, C. 140. — Oreg., Col., Neb.

1250. **lignicolor** GUENÉE, Spec. Gén., v, 140, 1852; SMITH, C. 140. — Atl. States, Col., Ariz.

a. **quæsita** GROTE, Can. Ent., viii, 26, 1876.

1251. **genialis** GROTE, Bull. Buff. Soc., ii, 66, 1874; SMITH, C. 141. — Cal.

1252. **inordinata** MORRISON, Proc. Acad. Nat. Sci. Phil., 63, 1875; SMITH, C. 141. — Mass., Me., Col.

a. **montana** SMITH, Proc. U. S. Nat. Mus., xiii, 414, 1890.

*1252. 1. **semilunata** GROTE, Pap., i, 58, 1881; SMITH, C. 141. — Wash., Col.

CALOPHASIA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., ii, 61, 1829.

1253. **strigata** SMITH, Trans. Am. Ent. Soc., xviii, 107, 1891; C. 156. — Col.

EPIDEMAS Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 40, 1894.

1254. **cinerea** SMITH, Trans. Am. Ent. Soc., xxi, 41, 1894. — Col.

MACRONOCTUA Grote.

GROTE, 6th Rept. Peab. Acad. Sci., 27, 1874.

1255. **onusta** GROTE, 6th Rept. Peab. Acad. Sci., 27, 1874; SMITH, C. 163. — Atl. States.

FISHEA Grote.

GROTE, Can. Ent., ix, 21, 1877.

*1256. **enthea** GROTE, Can. Ent., ix, 21, 1877; SMITH, C. 167. — Me.

PACHYPOLIA Grote.

GROTE, 6th Rept. Peab. Acad. Sci., 27, 1874.

1257. **atricornis** GROTE, 6th Rept. Peab. Acad. Sci., 27, 1874; SMITH, C. 164. — Ill.

POLIA Hübner.

HÜBNER, Tent., 1806; OCHSENHEIMER, Schmett. Eur., iv, 73, 1816; *Andropolia* GROTE, Abh. nat. Ver. Brem., xiv, 83, 1895.

*1258. **ædon** GROTE, Can. Ent., xii, 154, 1880; SMITH, C. 165. — Col., Nev., Wash.

1259. **theodori** GROTE, Can. Ent., x, 237, 1878; SMITH, C. 165. — Col., Cal., N. M.

a. **epichysis** GROTE, Can. Ent., xii, 219, 1880.

*1260. **olorina** GROTE, Bull. Buff. Soc., iii, 84, 1876; SMITH, C. 165. — Cal., Col.

1261. **confragosa** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 138, 1874; SMITH, C. 166. — Can., Wis.

1262. **connecta** SMITH, Trans. Am. Ent. Soc., xxi, 72, 1894. — Col.

*1263. **speciosa** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 137, 1874; SMITH, C. 166. — Mass.

*1264. **pallifera** GROTE, Can. Ent., ix, 88, 1877; SMITH, C. 166. — Ill.

1265. **pulverulenta** SMITH, Trans. Am. Ent. Soc., xviii, 106, 1901. — Col.

1266. **contacta** WALKER, Cat. Brit. Mus., ix, 58, 1856; SMITH, C. 166. — Can., No. N. Y.

syn. *aspera* MORRISON, *diffusilis* HARVEY.

1267. **diversilineata** GROTE, Bull. Geol. Surv. Terr., iii, 119, 1877; SMITH, C. 165. — Rocky Mts.

syn. *illepida* GROTE.

1268. **medialis** GROTE, Ann. Lyc. Nat. Hist. N. Y., xi, 306, 1876; SMITH, C. 167. — Can., N. Y.

1269. **extincta** SMITH, Proc. U. S. Nat. Mus., xxii, 471, 1900. — N. H.

1270. **acera** SMITH, Proc. U. S. Nat. Mus., xxii, 472, 1900. — Wash.

*1271. **acutissima** GROTE, Check List Noct., 23, 1875; SMITH, C. 167. — Can.

1272. **resoluta** SMITH, Trans. Am. Ent. Soc., xxi, 70, 1894. — Col.

*1273. **contadina** SMITH, Trans. Am. Ent. Soc., xxi, 71, 1894. — B. C.

*1274. **sansar** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. — Wash.

1275. **ochracea** SMITH, Proc. U. S. Nat. Mus., xxii, 474, 1900. — Ia.

1276. **dispar** SMITH, Proc. U. S. Nat. Mus., xxii, 473, 1900. — Col.

DRYOBOTA Lederer.

LEDERER, Noct. Eur., 100, 1857.

1277. **illocata** WALKER, Cat. Brit. Mus., xi, 758, 1857; SMITH, C. 164. — Atl. States, Col.
syn. *stigmata* GROTE.

HYPPA Duponchel.

DUPONCHEL, Cat. Méth., iv, 231, 1844.

1278. **xylinoides** GUENÉE, Spec. Gén., vi, 106, 1852; SMITH, C. 155. — Atl. States.
syn. *contraria* WALKER, *ancociscomensis* MORRISON.

1279. **indistincta** SMITH, Trans. Am. Ent. Soc., xxi, 63, 1894. — Oreg.

1280. **rectilinea** ESPER, Schmett. Eur., i, 127, 1777; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 1828, 1901; DYAR, Proc. Wash. Acad. Sci., ii, 491, 1900. — Alaska, Eur.

*1281. **brunneicrista** SMITH, Can. Ent., xxxiv, 31, 1902. — Alberta.

FERALIA Grote.

GROTE, Bull. Buff. Soc., ii, 58, 1874.

1282. **jocosa** GUENÉE, Spec. Gén., v, 37, 1852; SMITH, C. 33; SEIFERT, Jn. N. Y. Ent. Soc., vi, 182, 1898. — Atl. States.

1283. **februalis** GROTE, Bull. Buff. Soc., ii, 60, 1874; SMITH, C. 33. — Cal.

1284. **major** SMITH, Ent. Amer., vi, 26, 1890; C. 34. — Atl. States.

1285. **brillians** BARNES, Can. Ent., xxxiii, 56, 1901. — Ariz.

MOMOPHANA Grote.

GROTE, Stett. ent. Zeit., xxxvi, 195, 1875.

1286. **comstocki** GROTE, Bull. Buff. Soc., ii, 59, 1874; SMITH, C. 34. — Atl. States.

VALERIA Germar.

GERMAR, Mag. Ent., iv, 1821; STEPHENS, Cat. Brit. Ins., no. 118, 1829.

1287. **opina** GROTE, Bull. Geol. Surv. Terr., iv, 178, 1878; SMITH, C. 156. — Cal.

EUPLEXIA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iii, 3, 1829.

1288. **lucipara** LINNÆUS, Syst. Nat., 518, 1758; SMITH, C. 171. — U. S., Eur.

TRACHEA Hübner.

HÜBNER, Verz. bek. Schmett., 219, '816.

1289. **delicata** GROTE, Trans. Am. Ent. Soc., v, 92, 1874; SMITH, C. 148. — Atl. States.
syn. *interna* GROTE.

DIPTERYGIA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., ii, 167, 1829.

1290. **scabriuscula** LINNÆUS, Syst. Nat., 516, 1758; SMITH, C. 155. — Atl. States, Col., Eur.
syn. *pinastri* LINNÆUS.

ACTINOTIA Hübner.

HÜBNER, Verz. bek. Schmett., 244, 1816.

1291. **ramosula** GUENÉE, Spec. Gén., vi, 114, 1852; SMITH, C. 167. — Atl. States.

*1292. **stewarti** GROTE, Can. Ent., vii, 28, 1875; SMITH, C. 167. — Cal.

PYROPHILA Hübner.

HÜBNER, Verz. bek. Schmett., 208, 1816.

1293. **glabella** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 153, 1874; SMITH, C. 197. — U. S.

*1294. **triquetra** GROTE, Pap., iii, 78, 1883; SMITH, C. 197. — Ariz.

1295. **pyramidoides** GUENÉE, Spec. Gén., vi, 413, 1852; SMITH, C. 197. — Atl. States, Col.
a. **inornata** GROTE, Proc. Ent. Soc. Phil., iii, 86, 1864.
b. **conspersa** RILEY, 3d Rept. Ins. Mo., 75, 1871.

1296. **tragopoginis** LINNÆUS, Faun. Suec., 1189, 1761; SMITH, C. 197. — Atl. States, Eur.
syn. *repressus* GROTE.

HELIOTROPHA Lederer.

LEDERER, Noct. Eur., 118, 1857.

1297. **reniformis** GROTE, Can. Ent., vi, 14, 1874; SMITH, C. 173. — Atl. States.

a. **atra** GROTE, Proc. Acad. Nat. Sci. Phil., 200, 1874.

*1298. **obtusa** SMITH, Jn. N. Y. Ent. Soc., x, 45, 1902. — N. H.

PRODENIA Guenée.

GUENÉE, Spec. Gén., v, 159, 1852.

1299. **commelinæ** SMITH & ABBOT, Lep. Ins. Ga., ii, 189, 1797; SMITH, C. 169. — Atl. States.

1300. **ornithogalli** GUENÉE, Spec. Gén., v, 163, 1852; SMITH, C. 169. — Atl. States, Cal., Col.

syn. *lineatella* HARVEY.

a. **eudiopta** GUENÉE, Spec. Gén., v, 164, 1852; SMITH, C. 170.

syn. *flavimedia* HARVEY.

b. **præfica** GROTE, Can. Ent., vii, 44, 1875.

1301. **eridania** CRAMER, Pap. Exot., iv, pl. 358, f. E, 1782; SMITH, C. 169. — So. States, So. Am.

syn. *phytolaccæ* SMITH & ABBOT, *derupta* MORRISON, *nigrofasciata* HULST.

LAPHYGMA Guenée.

GUENÉE, Spec. Gén., v, 156, 1852.

1302. **frugiperda** SMITH & ABBOT, Lep. Ins. Ga., ii, 191, 1797; SMITH, C. 168. — Atl. States, So. Am.

syn. *macra* GUENÉE, *signifera* WALKER, *plagiata* WALKER, *autumnalis* RILEY.

a. **obscura** RILEY, 8th Rept. Ins. Mo., 49, 1876.

b. **fulvosa** RILEY, 8th Rept. Ins. Mo., 49, 1876.

LUSSA Grote.

GROTE, Can. Ent., xv, 127, 1883.

1303. **nigroguttata** GROTE, Can. Ent., xv, 127, 1883; SMITH, C. 167. — Fla.

*1304. **inflexa** MORRISON, Proc. Acad. Nat. Sci. Phil., 65, 1875; SMITH, C. 168. — Fla.

MAGUSA Walker.

WALKER, Cat. Brit. Mus., xi, 762, 1857.

1305. **dissidens** FELDER, Reise Novara, pl. 108, f. 50, 1872; SMITH, C. 329; DYAR, Proc. Ent. Soc. Wash., iv, 453, 1901. — Atl. States, So. Am.

syn. *divaricata* GROTE, *angustipennis* MÖSCHLER, *divida* MÖSCHLER.

PSEUDANARTA Hy. Edwards.

HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 133, 1875; *Copanarta* GROTE, Abh. nat. Ver. Brem., xiv, 112, 1895.

*1306. **aurea** GROTE, Bull. Geol. Surv. Terr., v, 205, 1879; SMITH, C. 149. — Tex.

1307. **flava** GROTE, Trans. Am. Ent. Soc., v, 91, 1874; SMITH, C. 140. — N.-W. Pac. States, Col., Ariz.

syn. *crocea* HY. EDWARDS.

1308. **singula** GROTE, Can. Ent., xii, 215, 1880; SMITH, C. 148. — Tex., Ariz., Col.

1309. **flavidens** GROTE, Bull. Geol. Surv. Terr., v, 205, 1879; SMITH, C. 149. — Col., N. Mex.

1310. **falcata** NEUMOEGEN, Pap., iii, 141, 1883; SMITH, C. 149. — Ariz., Mex.

HOMOHADENA Grote.

GROTE, Bull. Buff. Soc., i, 180, 1873.

1311. **candida** SMITH, Proc. U. S. Nat. Mus., xxii, 478, 1900. — Tex.

1312. **badistriga** GROTE, Trans. Am. Ent. Soc., iv, 20, 1872; SMITH, C. 158. — Atl. States Col.

1313. **infixa** WALKER, Cat. Brit. Mus., ix, 178, 1856; SMITH, C. 157. — So. Atl. States.

syn. *kappa* GROTE.

1314. **retroversa** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 157, 1874; SMITH, C. 157. — Miss.

1315. **induta** HARVEY, Bull. Buff. Soc., ii, 274, 1874; SMITH, C. 157. — Tex.

1316. **incomitata** HARVEY, Bull. Buff. Soc., iii, 6, 1875; SMITH, C. 156. — Tex.

1317. **stabilis** SMITH, Ent. News, vii, 29, 1896. — Alberta.

*1318. **inconstans** GROTE, Can. Ent., xv, 28, 1883; SMITH, C. 156. — Ariz.

1319. **figurata** HARVEY, Can. Ent., vii, 117, 1875; SMITH, C. 157. — Col., Nev., Cal.

*1320. **chorda** GROTE, Can. Ent., xii, 256, 1880; SMITH, C. 157. — Col., Cal.

*1321. **epipaschia** GROTE, Trans. Kans. Acad. Sci., viii, 49, 1882; SMITH, C. 157. — Kans., N. Mex.

1322. **vulnerea** GROTE, Can. Ent., xv, 29, 1883; SMITH, C. 157. — Ariz.

*1323. **deserta** SMITH, Proc. U. S. Nat. Mus., xiii, 402, 1890; C. 157. — Ariz.

ONCOCNEMIS Lederer.

LEDERER, Noct. Eur., 94, 1857.

1324. **hayesi** GROTE, Bull. Buff. Soc., i, 106, 1873; SMITH, C. 158. — Col., Cal., B. C.

1325. **dayi** GROTE, Bull. Buff. Soc., i, 105, 1873; SMITH, C. 158. — Col.

1326. **fasciatus** SMITH, Ins. Life, i, 18, 1888; C. 159. — Col., Cal.

*1327. **behrensi** GROTE, Bull. Buff. Soc., ii, 65, 1874; SMITH, C. 160. — Cal.

1328. **mirificalis** GROTE, Bull. Geol. Surv. Terr., v, 207, 1879; SMITH, C. 158. — Nev., Cal.

1329. **tenuifascia** SMITH, Ins. Life, i, 18, 1888; C. 159. — Col.

1330. **umbrifascia** SMITH, Trans. Am. Ent. Soc., xxi, 64, 1894. — Col.

1331. **levis** GROTE, Can. Ent., xii, 254, 1880; SMITH, C. 159. — Ariz., Col.

1332. **augustus** HARVEY, Bull. Buff. Soc., iii, 73, 1875; SMITH, C. 159. — Tex., Col.

1333. **saundersiana** GROTE, Can. Ent., viii, 29, 1876; SMITH, C. 160. — Miss. Vall.

*1334. **pernotata** GROTE, Can. Ent., xv, 25, 1883; SMITH, C. 160. — Ariz.

1335. **homogena** GROTE, Bull. Geol. Surv. Terr., iii, 800, 1874; SMITH, C. 160. — Col.

1336. **occata** GROTE, Trans. Am. Ent. Soc., v, 114, 1874; SMITH, C. 160. — Tex., Col., Cal.

1337. **fortis** GROTE, Can. Ent., xii, 257, 1880; SMITH, C. 161. — Nev., Cal.

syn. *picina* GROTE, *vorax* BEHR.

1338. **chandleri** GROTE, Bull. Buff. Soc., i, 107, 1873; SMITH, C. 161. — Col., Nev.

1339.	**riparia** MORRISON, Can. Ent., vii, 213, 1875; SMITH, C. 161.	N. Y., Mass.
*1340.	**extremis** SMITH, Ent. Amer., vi, 30, 1890; C. 160.	B. C.
1341.	**atrifasciata** MORRISON, Proc. Acad. Nat. Sci. Phil., 431, 1875; SMITH, C. 159.	No. Atl States.
1342.	**terminalis** SMITH, Ins. Life, i, 19, 1888; C. 159.	Col.
*1343.	**simplex** SMITH, Ins. Life, i, 20, 1888; C. 159.	Utah.
1344.	**iricolor** SMITH, Ins. Life, i, 19, 1888; C. 160.	Col.
1345.	**glennyi** GROTE, Bull. Buff. Soc., i, 141, 1873; SMITH, C. 160.	Col.
*1346.	**meadiana** MORRISON, Proc. Acad. Nat. Sci. Phil., 60, 1875; SMITH, C. 160.	Ariz.
1347.	**major** GROTE, Pap., i, 33, 1881; SMITH, C. 162. syn. *aqualis* GROTE, *curvicollis* GROTE.	Ariz., Col., Cal.
1348.	**colorado** SMITH, Ent. News, iv, 100, 1892; Trans. Am. Ent. Soc., xxi, 66, 1894; C. 161.	Col.
1349.	**corusca** SMITH, Jn. N. Y. Ent. Soc., vii, 40, 1899.	Cal.
1350.	**melalutea** SMITH, Jn. N. Y. Ent. Soc., vii, 39, 1899.	Col.
1351.	**melantho** SMITH, Jn. N. Y. Ent. Soc., vii, 37, 1899.	Cal.
1352.	**pohono** SMITH, Jn. N. Y. Ent. Soc., vii, 38, 1899.	Cal.
*1353.	**pudorata** SMITH, Trans. Am. Ent. Soc., xxi, 63, 1894.	B. C.
*1354.	**viriditincta** SMITH, Trans. Am. Ent. Soc., xxi, 66, 1894.	B. C.
1355.	**ciliata** SMITH, Proc. U. S. Nat. Mus., xxii, 478, 1900.	Ariz.
*1356.	**barnesii** SMITH, Jn. N. Y. Ent. Soc., vii, 37, 1899.	Wyo.
*1357.	**oblita** GROTE, Bull. Geol. Surv. Terr., iii, 117, 1877; SMITH, C. 162.	Nev.
1358.	**cibalis** GROTE, Can. Ent., xii, 244, 1880; SMITH, C. 162.	Col.
*1359.	**balteata** SMITH, Jn. N. Y. Ent. Soc., x, 43, 1902.	Col.
*1360.	**regina** SMITH, Jn. N. Y. Ent. Soc., x, 44, 1902.	N.-W. Terr
1361.	**atricollaris** HARVEY, Bull. Buff. Soc., ii, 273, 1874; SMITH, C. 162.	Tex., Ariz., Col.
1362.	**griseicollis** GROTE, Can. Ent., xiv, 19, 1882; SMITH, C. 163.	Ariz.
*1363.	**aterrima** GROTE, Can. Ent., xi, 199, 1879; SMITH, C. 163.	Cal.

1364. **flagrantis** SMITH, Ins. Life, v, 330, 1893. Cal.

1365. **exemplaris** SMITH, Trans. Am. Ent. Soc., xxi, 64, 1894. Cal.

1366. **extranea** SMITH, Trans. Am. Ent. Soc., xxi, 68, 1894. Col.

1367. **nigrocaput** SMITH, Trans. Am. Ent. Soc., xxi, 67, 1894. Col.

1368. **refecta** SMITH, Trans. Am. Ent. Soc., xxi, 65, 1894. Col.

LEPIPOLYS Guenée.

GUENÉE, Spec. Gén., vi, 173, 1852.

1369. **perscripta** GUENÉE, Spec. Gén., vi, 174, 1852; SMITH, C. 259. Atl. States. Col., Cal.

ADITA Grote.

GROTE, Bull. Buff. Soc., ii, 63, 1874.

1370. **chionanthi** SMITH & ABBOT, Lep. Ins. Ga., ii, 195, 1797; SMITH, C. 158. Atl. States. Col.

COPIPANOLIS Grote.

GROTE, 6th Rept. Peab. Acad. Sci., app., 25, 1874.

*1371. **borealis** SMITH, Proc. U. S. Nat. Mus., xv, 61, 1892; C. 112. Minn.

1372. **cubilis** GROTE, 6th Rept. Peab. Acad. Sci., app., 25, 1874; SMITH, C. 112. No. Atl. States.

1373. **fasciata** SMITH, Proc. U. S. Nat. Mus., xv, 61, 1892; C. 113. Mo., Tex.

*1374. **stigma** SMITH, Ent. Amer., vi, 220, 1890; C. 113. Fla.

EUTOLYPE Grote.

GROTE, Proc. Acad. Nat. Sci. Phil., 189, 1874.

1375. **rolandi** GROTE, Proc. Acad. Nat. Sci. Phil., 198, 1874; SMITH, C. 112. Atl. States.
syn. *vernalis* MORRISON.

1376. **bombyciformis** SMITH, Proc. U. S. Nat. Mus., xv, 58, 1892; C. 112. Mass., Mo.

1377. **grandis** SMITH, Can. Ent., xxx, 321, 1898. Mo.

1378. **depilis** GROTE, Pap., i, 48, 1881; SMITH, C. 112. Atl. States.

*1379. **damalis** GROTE, Bull. Geol. Surv. Terr., v, 208, 1880; SMITH, C. 112. Cal.

PSAPHIDIA Walker.

WALKER, Cat. Brit. Mus., xxxii, 447, 1865; *Dicopis* GROTE.

1380. **grotei** MORRISON, Bull. Buff. Soc., i, 274, 1874; SMITH, C. 111. — No. Atl. States.

1381. **resumens** WALKER, Cat. Brit. Mus., xxxii, 448, 1865; SMITH, C. 111. — Atl. States.

syn. *viridescens* WALKER, *muralis* GROTE.

*1382. **electilis** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 114, 1875; SMITH, C. 111. — Pa.

1383. **thaxterianus** GROTE, Bull. Buff. Soc., ii, 196, 1874; SMITH, C. 111; DYAR, Jn. N. Y. Ent. Soc., ix, 84, 1901. — Atl. States.

CERAPODA Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 68, 1894.

1384. **stylata** SMITH, Trans. Am. Ent. Soc., xxi, 69, 1894. — Col.

FOTA Grote.

GROTE, Can. Ent., xiv, 174, 1882.

1385. **armata** GROTE, Can. Ent., xiv, 175, 181, 1882; SMITH, C. 183. — Ariz.

1386. **minorata** GROTE, Can. Ent., xiv, 181, 1882; SMITH C. 183. — Ariz.

PODAGRA Smith.

SMITH, Jn. N. Y. Ent. Soc., x, 48, 1902.

1387. **crassipes** SMITH, Jn. N. Y. Ent. Soc., x, 48, 1902. — Ariz., Cal.

CRIMONA Smith.

SMITH, Jn. N. Y. Ent. Soc., x, 49, 1902.

*1388. **pallimedia** SMITH, Jn. N. Y. Ent. Soc., x, 49, 1902. — Cal.

RHYNCHAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 13, 1890.

1389. **gilvipennis** GROTE, 6th Rept. Peab. Acad. Sci., app., 24, 1874; SMITH, C. 50. — No. Atl. States.

1390. **rufipectus** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 165, 1874; SMITH, C. 51. — No. U. S., Cal.

1391. **brunneicollis** GROTE, Proc. Ent. Soc. Phil., iii, 524, 1864; SMITH, C. 51. — No. Atl. States, Col.

1392. **minimalis** GROTE, No. Am. Ent., i, 45, 1879; SMITH, C. 52. — Me., Col.

1393. **anchocelioides** GUENÉE, Spec. Gén., v, 384, 1852; SMITH, C. 52. — No. Atl. States, Rocky Mts.
syn. *cupida* GROTE, *relata* WALKER.
a. **brunneipennis** GROTE, Can. Ent., vii, 187, 1875.

1394. **belfragei** SMITH, Bull. 38, U. S. Nat. Mus., 20, 1890; C. 53. — Tex.

1395. **placida** GROTE, Ann. Lyc. Nat. Hist. N. Y., xi, 305, 1876; SMITH, C. 52. — Rocky Mts., No. U. S.

1396. **variata** GROTE, Bull. Buff. Soc., iii, 83, 1876; SMITH, C. 53. — Rocky Mts., B. C., Ariz.
syn. *varix* GROTE, *orbis* GROTE.

1397. **alternata** GROTE, Proc. Ent. Soc. Phil., iii, 526, 1864; SMITH, C. 53. — Atl. States, Col.

1398. **trigona** SMITH, C. 53, 1893. — Col., Cal., Oreg.

1399. **cupidissima** GROTE, Can. Ent., vii, 101, 1875; SMITH, C. 56. — Cal.

*1400. **bimarginalis** GROTE, Ann. Mag. Nat. Hist., 53, 1883; SMITH, C. 54. — N. Mex.

1401. **vittifrons** GROTE, Proc. Ent. Soc. Phil., iii, 527, 1864; SMITH, C. 54. — Col.

1402. **inelegans** SMITH, Trans. Am. Ent. Soc., xvii, 43, 1890; C. 54. — Cal.

1403. **mirabilis** GROTE, No. Am. Ent., i, 39, 1879; SMITH, C. 54. — Col., Ariz.

1404. **exsertistigma** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 166, 1874; SMITH, C. 55. — Cal.
syn. *observabilis* GROTE.

1405. **formalis** GROTE, Bull. Buff. Soc., ii, 61, 1874; SMITH, C. 55. — Pac. States.
a. **facula** GROTE, Bull. Buff. Soc., iii, 82, 1876.
syn. *insularis* GROTE, *emarginata* GROTE.

*1406. **carissima** HARVEY, GROTE, Check List, 25, 1875; SMITH, C. 54. — Cal.

*1407. **lætula** GROTE, Bull. Buff. Soc., iii, 83, 1876; SMITH, C. 56. — Pac. States.
syn. *distracta* SMITH.

1408. **discoidalis** GROTE, Bull. Buff. Soc., iii, 82, 1876; SMITH, C. 56. — Nev., Oreg.

1409. **crenulata** SMITH, Proc. U. S. Nat. Mus., x, 451, 1887; C. 56. — Pac. States.

*1410. **confusa** SMITH, Proc. U. S. Nat. Mus., x, 452, 1887; C. 56. — Wash.

*1411. **costata** GROTE, Bull. Buff. Soc., iii, 80, 1876; SMITH, C. 55. — Pac. States.
syn. *binominalis* SMITH.

ADELPHAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 38, 1890.

*1412. **stellaris** GROTE, Can. Ent., xii, 153, 1880; SMITH, C. 57. — Nev., Wash.

*1413. **indeterminata** WALKER, Cat. Brit. Mus., xxxiii, 750, 1875; SMITH, C. 57. — Pac. States.
syn. *innotabilis* GROTE, *washingtoniensis* GROTE.

*1414. **quarta** GROTE, Bull. Geol. Surv. Terr., vi, 258, 1883; SMITH, C. 57. — Cal.

1415. **prasina** FABRICIUS, Mant. Ins., ii, 169, 1787; SMITH, C. 57. — No. Atl. States, Rocky Mts., Eur.
syn. *herbacea* GUENÉE.

1416. **apposita** GROTE, Bull. Geol. Surv. Terr., iv, 170, 1878; SMITH, C. 58. — Pac. States, Col.

PLATAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 43, 1890.

1417. **speciosa** HÜBNER, Eur. Schmett., Noct., 191, 1815; SMITH, C. 58. — No. Atl. States, Eur.
syn. *perquirita* MORRISON, *baileyana* GROTE, *mixta* WALKER.
a. **arctica** ZETTERSTEDT, Ins. Lapl., 339, 1839.

1418. **pressa** GROTE, Trans. Am. Ent. Soc., v, 90, 1874; SMITH, C. 59. — Atl. States.

1419. **condita** GUENÉE, Spec. Gén., vi, 78, 1852; SMITH, C. 59. — Atl. States.
syn. *trabalis* GROTE.

*1420. **sincera** HERRICH-SCHAEFFER, Eur. Schmett., ii, 412, 1851; SMITH, C. 59. — Lab.

1421. **imperita** HÜBNER, Zutr. exot. Schmett., f. 447, 1823; SMITH, C. 59. — No. Atl. States.

EUERETAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 47, 1900.

1422. **sigmoides** GUENÉE, Spec. Gén., v, 325, 1852; SMITH, C. 60. — Atl. States.

1423. **perattenta** GROTE, Can. Ent., vi, 131, 1874; SMITH, C. 60. — Atl. States.

1424. **attenta** GROTE, Can. Ent., vi, 131, 1874; SMITH, C. 60. — Atl. States.

ABAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 50, 1890.

1425. **erratica** SMITH, Bull. 38, U. S. Nat. Mus., 50, 1890; C. 60. — Cal.

SEMIOPHORA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., ii, 138, 1829.

1426. **elimata** GUENÉE, Spec. Gén., v, 333, 1852; SMITH, C. 61. — Atl. States

syn. *dilucidula* MORRISON.

a. **badicollis** GROTE, Bull. Buff. Soc., i, 136, 1873.

b. **janualis** GROTE, Bull. Geol. Surv. Terr., iv, 169, 1878.

1427. **opacifrons** GROTE, Bull. Geol. Surv. Terr., iv, 170, 1878; SMITH, C. 61. — No. Atl. States.

1428. **tenebrifera** WALKER, Cat. Brit. Mus., xxxiii, 714, 1865; SMITH, C. 62. — No. Atl. States.

syn. *catherina* GROTE, *manifestolabes* MORRISON.

1429. **youngii** SMITH, Can. Ent., xxxiv, 29, 1902. — Can.

PACHNOBIA Guenée.

GUENÉE, Spec. Gén., v, 341, 1852.

*1430. **monochromatea** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 165, 1874; SMITH, C. 62. — Mass.

1431. **littoralis** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 36, 1868; SMITH, C. 62. — Col., Mont., Dak.

a. **pectinata** GROTE, Proc. Acad. Nat. Sci. Phil., 207, 1874; SMITH, C. 63.

syn. *ferruginoides* SMITH.

1432. **carnea** THUNBERG, Mus. Acad. Nat. Ups., Diss., iv, 56, 1788; SMITH, C. 64. — Arctic Am.

a. **cinerea** STAUDINGER, Stett. ent. Zeit., xxii, 369, 1861.

1433. **cinerascens** SMITH, Trans. Am. Ent. Soc., xviii, 103, 1891; C. 64. — Cal.

1434. **wockei** MÖSCHLER, Wien. ent. Mon., vi, 130, 1862; SMITH, C. 64. — N. H., Lab.
syn. *scropulana* MORRISON.

*1435. **okakensis** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 38, 1867; SMITH, C. 64. — N. H., Lab.

*1436. **elevata** SMITH, Trans. Am. Ent. Soc., xviii, 104, 1891; C. 64. — Col.

1437. **salicarum** WALKER, Cat. Brit. Mus., xi, 717, 1857; SMITH, C. 63. — No. Atl. States.
syn. *orilliana* GROTE, *claviformis* MORRISON.

*1438. **manifesta** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 116, 1875; SMITH, C. 62. — Atl. States.

*1439. **hæsitans** WALKER, Cat. Brit. Mus., x, 329, 1856; SMITH, C. 63. — Rocky Mts.

1440. **fishii** GROTE, Bull. Geol. Surv. Terr., iv, 175, 1878; SMITH, C. 64. — Me.

METALEPSIS Grote.

GROTE, Check list Noct., 25, 1875; *Pseudoglæa* GROTE.

*1441. **cornuta** GROTE, Bull. Buff. Soc., ii, 68, 1874; SMITH, C. 210. — Cal.

*1442. **blanda** GROTE, Bull. Buff. Soc., iii, 86, 1875; SMITH, C. 210. — Pac. States, Col., Tex.
syn. *tædata* GROTE, *decepta* GROTE.

SETAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 59, 1890.

*1443. **planifrons** SMITH, Trans. Am. Ent. Soc., xvii, 42, 1890; C. 65. — B. C.

1444. **radiatus** SMITH, Proc. U. S. Nat. Mus., xxii, 418, 1900. — Nev.

1445. **quebecensis** SMITH, Proc. U. S. Nat. Mus., xxii, 417, 1900. — Can.

1446. **elata** SMITH, Jn. N. Y. Ent. Soc., vi, 106, 1898. — Col.

1447. **terrifica** SMITH, Trans. Am. Ent. Soc., xxi, 42, 1894. — Col.

1448. **congrua** SMITH, Trans. Am. Ent. Soc., xvii, 43, 1890; C. 65. — Oreg.

1449. **vernilis** GROTE, Can. Ent., xi, 57, 1879; SMITH, C. 65. — Col., Nev., Cal.

*1450. **infimatis** GROTE, No. Am. Ent., i, 93, 1880; SMITH, C. 65. — Cal., Wash.

AGROTIS Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 66, 1816.

1451. **badinodis** GROTE, Can. Ent., vi, 13, 1874; SMITH, C. 65. — Atl. States.

1452. **violaris** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 353, 1868; SMITH, C. 66. — Pa., N. Y.

1453. **aurulenta** SMITH, Bull. 38, U. S. Nat. Mus., 215, 1890; C. 66. — Col., Ariz., Neb.

1454. **ypsilon** ROTTEMBURG, Naturf., xli, 141, 1776; SMITH, C. 66. — U. S., Eur.

syn. *suffusa* DENIS & SCHIFFERMÜLLER, *telifera* HARRIS, *idonea* CRAMER.

1455. **geniculata** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 349, 1868; SMITH, C. 66. — Atl. States.

1456. **docilis** GROTE, Bull. Geol. Surv. Terr., vi, 259, 1882; SMITH, C. 68. — Col.

syn. *ingeniculata* SMITH, Bull. 38, U. S. Nat. Mus., 216, 1890; C. 67.

*1457. **bollii** GROTE, Bull. Geol. Surv. Terr., vi, 160, 1882; SMITH, C. 67. — Tex.

*1458. **dapsilis** GROTE, Bull. Geol. Surv. Terr., vi, 582, 1883; SMITH, C. 67. — Fla.

*1459. **nanalis** GROTE, Can. Ent., xiii, 131, 1881; SMITH, C. 67. — Nev.

*1460. **hero** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 238, 1876; SMITH, C. 67. — Mass.

*1461. **tenuicola** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 163, 1874; SMITH, C. 67. — N. Y.

PERIDROMA Hübner.

HÜBNER, Verz. bek. Schmett., 227, 1816.

1462. **occulta** LINNÆUS, Syst. Nat., iv, 514, 1767; SMITH, C. 68. — No. U. S.

*1463. **præfica** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 117, 1875; SMITH, C. 68. — Rocky Mts.

1464. **astricta** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 135, 1874; SMITH, C. 68. — No. Atl. States, Col.

1465. **nigra** SMITH, Trans. Am. Ent. Soc., xxi, 43, 1894. — Col.

*1466. **grandipennis** GROTE, Ann. Mag. Nat. Hist., 54, 1883; SMITH, C. 69. — N. Mex.

1467. **margaritosa** HAWORTH, Lep. Brit., 157, 1810. — U. S., Eur.
a. **saucia** HÜBNER, Samml. Eur. Schmett., Noct., 378, 1816; SMITH, C. 69.
syn. *inermis* HARRIS, *ortonii* PACKARD.

1468. **incivis** GUENÉE, Spec. Gén., v, 274, 1852; SMITH, C. 70. — Atl. States, Cal.
syn. *alabamæ* GROTE.

1469. **pellucidalis** GROTE, Bull. Geol. Surv. Terr., vi, 567, 1882; SMITH, C. 69. — Tex., Col.

1470. **rudens** HARVEY, Bull. Buff. Soc., ii, 271, 1874; SMITH, C. 69. — Tex.

1471. **demutabilis** SMITH, Ins. Life, v, 328, 1893. — Cal.

*1472. **tenuescens** SMITH, Bull. 38, U. S. Nat. Mus., 73, 1890; C. 70. — Neb.

1473. **simplaria** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 164, 1874; SMITH, C. 70. — Tex.

1474. **digna** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 115, 1875; SMITH, C. 70. — Tex.
syn. *nigrovittata* GROTE.

NOCTUA Linnæus.

LINNÆUS, Syst. Nat., 508, 1758.

1475. **smithii** SNELLEN, Tijd. voor Ent., xxxix, 157, 1896; SMITH, Jn. N. Y. Ent. Soc., vi, 99, 1898. — No. Atl. States.

1476. **normaniana** GROTE, Trans. Am. Ent. Soc., v, 89, 1874; SMITH, C. 71. — Atl. States.
syn. *obtusa* SPEYER.

1477. **esuralis** GROTE, Can. Ent., xiii, 131, 1881; SMITH, C. 72; Jn. N. Y. Ent. Soc., vi, 102, 1898. — Wash.

1478. **bicarnea** GUENÉE, Spec. Gén., v, 329, 1852; SMITH, C. 71. — Atl. States, Col.
syn. *plagiata* WALKER.

1479. **treatii** GROTE, Can. Ent., vii, 186, 1875; SMITH, C. 71; Jn. N. Y. Ent. Soc., vi, 103, 1898. — Mass.

*1480. **conchis** GROTE, No. Am. Ent., i, 43, 1879; SMITH, C. 71. — Col., N. Mex.

1481. **c-nigrum** LINNÆUS, Syst. Nat., 516, 1758; SMITH, C. 72. — Atl. States, Eur.

*1482. **hospitalis** GROTE, Can. Ent., xiv, 184, 1882; SMITH, C. 72; Jn. N. Y. Ent. Soc., vi, 100, 1898. — N. Y.

1483. **jucunda** WALKER, Cat. Brit. Mus., x, 399, 1856; SMITH, C. 72. — No. U. S.
syn. *percontlua* GROTE.

1484. **phyllophora** GROTE, Bull. Buff. Soc., ii, 61, 1874; SMITH, C. 72. — No. Atl. States.
syn. *eriensis* GROTE.

1485. **rubifera** GROTE, Can. Ent., viii, 207, 227, 1875; SMITH, C. 73; Jn. N. Y. Ent. Soc., vi, 100, 1898. — No. Atl. States.

1486. **oblata** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 116, 1875; SMITH, C. 73. — No. U. S.
syn. *hilliana* HARVEY.

1487. **rosaria** GROTE, Bull. Geol. Surv. Terr., iv, 172, 1878; SMITH, C. 73; Jn. N. Y. Ent. Soc., vi, 102, 1898. — Pac. States, Col.

1488. **rava** HERRICH-SCHAEFFER, Schmett. Eur., vi, 59, 1850; SMITH, C. 73. — Lab., Nova Scotia.
syn. *umbrata* PACKARD.

1489. **fennica** TAUSCHER, Eversmann, Bull. Soc. Imp. Mosc., i, 13, 1837; SMITH, C. 74. — No. U. S.
syn. *intractata* WALKER.

1490. **plecta** LINNÆUS, Faun. Suec., 321, 1761; SMITH, C. 74. — No. Atl. States, Eur.
syn. *vicaria* WALKER.

1491. **collaris** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 348, 1868; SMITH, C. 74. — No. Atl. States.

*1492. **juncta** GROTE, Bull. Geol. Surv. Terr., iv, 171, 1878; SMITH, C. 74. — Nova Scotia, Alberta.
syn. *patefacta* SMITH, Ent. News, vi, 333, 1895.

1493. **haruspica** GROTE, Bull. Buff. Soc., ii, 212, 1875; SMITH, C. 74. — No. U. S.
syn. *grandis* SPEYER.

1494. **inopinatus** SMITH, Jn. N. Y. Ent. Soc., vi, 103, 1898. — Col., Alberta.

*1495. **sierræ** HARVEY, Can. Ent., viii, 37, 1876; SMITH, C. 75. — Cal., Col.

1496. **clandestina** HARRIS, Ins. Inj. Veg., 448, 1862; SMITH, C. 75. — Atl. States, Rocky Mts.
syn. *unicolor* WALKER, *nigriceps* WALKER.

1497. **clemens** SMITH, Trans. Am. Ent. Soc., xvii, 44, 1890; C. 75. — Cal.

1498. pyrophiloides HARVEY, Can. Ent., viii, 37, 1876; SMITH, C. 78. — Cal.

*1499. subporphyrea WALKER, Cat. Brit. Mus., xiv, 1658, 1858; SMITH, C. 76. — Ga.

1500. havilæ GROTE, Bull. Geol. Surv. Terr., vi, 157, 1880; SMITH, C. 76. — Cal., Col.

1501. piscipellis GROTE, Can. Ent., x, 233, 1878; SMITH, C. 76. — Col., Nev., Ariz.

1502. atrifrons GROTE, Bull. Buff. Soc., i, 97, 1873; SMITH, C. 77. — Rocky Mts.

1503. plebeia SMITH, Jn. N. Y. Ent. Soc., vi, 105, 1898. — B. C.

1504. atricincta SMITH, Ent. News, vi, 333, 1895. — Alberta.

*1505. pallidicollis GROTE, Bull. Geol. Surv. Terr., vi, 154, 1880; SMITH, C. 77. — Cal.

1506. substrigata SMITH, Ent. News, vi, 352, 1895. — Alberta.

1507. flavotincta SMITH, Trans. Am. Ent. Soc., xxi, 45, 1898. — B. C.

1508. calgary SMITH, Jn. N. Y. Ent. Soc., vi, 101, 1898. — Alberta.

1509. exuberans SMITH, Jn. N. Y. Ent. Soc., vi, 103, 1898. — Col.

1510. bolteri SMITH, Jn. N. Y. Ent. Soc., vi, 104, 1898. — N. Mex.

1511. cynica SMITH, Jn. N. Y. Ent. Soc., vi, 101, 1898. — N. Y.

*1512. tepperi SMITH, Proc. U. S. Nat. Mus., x, 452, 1887; C. 77. — Mont.

1513. vocalis GROTE, Can. Ent., xi, 56, 1879; SMITH, C. 77. — Col., Nev., N. Mex.

syn. *invenusta* GROTE.

1514. lubricans GUENÉE, Spec. Gén., v, 323, 1852; SMITH, C. 77. — U. S.

syn. *associans* WALKER, *illapsa* WALKER.

a. beata GROTE, Ann. Mag. Nat. Hist., (5), xi, 54, 1883.

*1515. spreta SMITH, Jn. N. Y. Ent. Soc., x, 36, 1902. — Fla.

PRONOCTUA Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 44, 1894.

1516. typica SMITH, Trans. Am. Ent. Soc., xxi, 45, 1894. — Col.

CHORIZAGROTIS Smith.

Smith, Bull. 38, U. S. Nat. Mus., 98, 1890.

1517. **auxiliaris** Grote, Bull. Buff. Soc., i, 196, 1872; Smith, C. 78. — Col., Tex., Cal.

1518. **introferens** Grote, Proc. Acad. Nat. Sci. Phil., 423, 1873; Smith, C. 78. — Col., Tex., Cal.

1519. **agrestis** Grote, Bull. Geol. Surv. Terr., iii, 118, 1877; Smith, C. 78. — Rocky Mts., Tex., Cal.
syn. *mercenaria* Grote.

1520. **soror** Smith, Proc. U. S. Nat. Mus., x, 453, 1887; C. 78. — Mont., Tex.

1521. **inconcinna** Harvey, Bull. Buff. Soc., iii, 5, 1875; Smith, C. 78. — Ariz., Tex., Col.

*1522. **terrealis** Grote, Trans. Kans. Acad. Sci., viii, 47, 1882; Smith, C. 79. — N. Mex.

1523. **immixta** Grote, Bull. Geol. Surv. Terr., vi, 259, 1882; Smith, C. 79. — Tex.

1524. **balanitis** Grote, Bull. Buff. Soc., i, 97, 1873; Smith, C. 79. — Col., B. C.

RHIZAGROTIS Smith.

Smith, Bull. 38, U. S. Nat. Mus., 41, 1890.

1525. **albalis** Grote, Bull. Geol. Surv. Terr., iv, 175, 1878; Smith, C. 80. — Col.

1526. **cloanthoides** Grote, Bull. Geol. Surv. Terr., vi, 153, 1880; Smith, C. 80. — Col.

1527. **abnormis** Smith, Trans. Am. Ent. Soc., xvii, 41, 1890; C. 79. — Cal.

*1528. **proclivis** Smith, Proc. U. S. Nat. Mus., x, 453, 1887; C. 79. — Ariz.

*1529. **acclivis** Morrison, Ann. Lyc. Nat. Hist. N. Y., xi, 93, 1875; Smith, C. 79. — Ariz., Tex., Col.
syn. *opaca* Harvey.

1530. **albicosta** Smith, Proc. U. S. Nat. Mus., x, 451, 1887; C. 80. — Rocky Mts.

*1531. **flavicollis** Smith, Proc. U. S. Nat. Mus., x, 456, 1887; C. 90. — Rocky Mts.

1532. **apicalis** Grote, Bull. Geol. Surv. Terr., vi, 153, 1882; Smith, C. 80. — Col., N. Mex.

1533. **lagena** Grote, Can. Ent., vii, 26, 1875; Smith, C. 80. — Rocky Mts., Cal.

*1534. **atha** STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1898. — Wash.

FELTIA Walker.

WALKER, Cat. Brit. Mus., ix, 203, 1856.

1535. **robustior** SMITH, Can. Ent., xxxi, 206, 1899. — Man.

*1536. **olivia** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 238, 1876; SMITH, C. 80. — Utah.

1537. **longidens** SMITH, Bull. 38, U. S. Nat. Mus., 217, 1890; C. 81. — N. Mex.

1538. **subgothica** HAWORTH, Lep. Brit., 224, 1810; SMITH, C. 81; Jn. N. Y. Ent. Soc., x, 36, 1902; SLINGERLAND, Can. Ent., xxvii, 301, 1895; xxviii, 295, 1896. — No. U. S.

*1539. **edentata** SMITH, Jn. N. Y. Ent. Soc., x, 38, 1902. — Wash.

1540. **jaculifera** GUENÉE, Spec. Gén., v, 262, 1852; SMITH, C. 81. — Atl. States, Col.

syn. *tricosa* LINTNER.

a. **herilis** GROTE, Bull. Buff. Soc., i, 99, 1873; SMITH, C. 82.

1541. **pectinicornis** SMITH, Bull. 38, U. S. Nat. Mus., 114, 1890; C. 82. — Tex.

*1542. **evanidalis** GROTE, Bull. Geol. Surv. Terr., iv, 172, 1878; SMITH, C. 82. — Cal.

*1543. **circumdata** GROTE, Ann. Mag. Nat. Hist., (5), xi, 53, 1883; SMITH, C. 82. — N. Mex.

1544. **gladiaria** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 162, 1874; SMITH, C. 82. — Atl. States.

syn. *morrisoniana* RILEY.

1545. **venerabilis** WALKER, Cat. Brit. Mus., x, 328, 1856; SMITH, C. 83. — U. S.

1546. **gravis** GROTE, Bull. Buff. Soc., ii, 155, 1874; SMITH, C. 83. — Cal.

syn. *vapularis* GROTE.

1547. **vancouverensis** GROTE, Bull. Buff. Soc., i, 134, 1873; SMITH, C. 83. — Pac. States.

syn. *hortulana* MORRISON, *semiclarata* GROTE, *agilis* GROTE.

1548. **æneipennis** GROTE, Bull. Buff. Soc., iii, 81, 1876; SMITH, C. 83. — Pac. States.

syn. *clodiana* GROTE.

1549. **volubilis** HARVEY, Bull. Buff. Soc., ii, 118, 1874; SMITH, C. 84. — U. S.

syn. *stigmosa* MORRISON.

1550. **annexa** TREITSCHKE, Schmett. Eur., v, 154, 1825; SMITH, C. 84. — Atl. States, So. Am.
syn. *decernens* WALKER.

1551. **malefida** GUENÉE, Spec. Gén., v, 267, 1852; SMITH, C. 84. — U. S., So. Am.

POROSAGROTIS Smith.

SMITH, Bull. 38, U. S. Nat. Mus., 123, 1890.

1552. **vetusta** WALKER, Cat. Brit. Mus., ix, 78, 1856; SMITH, C. 85. — Atl. States, Col.
syn. *murænula* GROTE & ROBINSON.

1553. **catenula** GROTE, No. Am. Ent., i, 44, 1879; SMITH, C. 85. — Rocky Mts., Cal.

1554. **texana** GROTE, Proc. Ent. Soc. Phil., ii, 273, 1863; SMITH, C. 86. — Tex., Col., Mont.
syn. *obesula* SMITH, Proc. U. S. Nat. Mus., x, 456, 1887; C. 85.

1555. **satiens** SMITH, Trans. Am. Ent. Soc., xvii, 45, 1890; C. 85. — Col., B. C.

1556. **mimallonis** GROTE, Bull. Buff. Soc., i, 98, 1873; SMITH, C. 85. — Mont., Col., Can., N. Y.
syn. *rufipennis* GROTE.

*1557. **fusca** BOISDUVAL, Icon. Hist. Lep., pl. 48, f. 4, 1834; SMITH, C. 86. — Lab., Rocky Mts.
syn. *septentrionalis* MÖSCHLER, *patula* WALKER.

1558. **tripars** WALKER, Cat. Brit. Mus., ix, 78, 1856; SMITH, C. 86. — N. Y., Ind.
syn. *worthingtoni* GROTE.

1559. **rileyana** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 166, 1874; SMITH, C. 86. — Atl. States, Rocky Mts.

1560. **orthogonia** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 239, 1876; SMITH, C. 87. — Rocky Mts.

1561. **dædalus** SMITH, Bull. 38, U. S. Nat. Mus., 217, 1890; C. 87. — Col.

*1562. **dollii** GROTE, Can. Ent., xiv, 216, 1882; SMITH, C. 87. — Ariz.

1563. **milleri** GROTE, Bull. Buff. Soc., iii, 78, 1875; SMITH, C. 87. — Cal.

1564. **pluralis** GROTE, Bull. Geol. Surv. Terr., iv, 174, 1878; SMITH, C. 87. — Nev., Col.

PARAGROTIS Pratt.

Carneades Grote (not Bates), Can. Ent., xv, 4, 1883.—F. C. Pratt.

1565.	**edictalis** Smith, Trans. Am. Ent. Soc., xxi, 40, 1894.	Col.
1566.	**siccata** Smith, Trans. Am. Ent. Soc., xxi, 46, 1894.	Col.
1567.	**wilsonii** Grote, Bull. Buff. Soc., i, 135, 1873; Smith, C. 88.	Cal., Col.
	syn. *specialis* Grote, *æqualis* Harvey.	
1568.	**lacunosa** Grote, Bull. Geol. Surv. Terr., iv, 172, 1878; Smith, C. 88.	Cal.
1569.	**segregata** Smith, Trans. Am. Ent. Soc., xxi, 47, 1894.	Col.
1570.	**lætificans** Smith, Trans. Am. Ent. Soc., xxi, 48, 1894.	Col.
1571.	**recula** Harvey, Can. Ent., viii, 37, 1876; Smith, C. 88.	Oreg., Col.
1572.	**cicatricosa** Grote & Robinson, Proc. Ent. Soc. Phil., iv, 492, 1865; Smith, C. 88.	Col.
1573.	**neomexicana** Smith, Bull. 38, U. S. Nat. Mus., 218, 1890; C. 88.	N. Mex.
1574.	**quadridentata** Grote & Robinson, Proc. Ent. Soc. Phil., iv, 491, 1865; Smith, C. 89.	Col., Oreg.
1575.	**niveilinea** Grote, Can. Ent., xiv, 216, 1882; Smith, C. 89.	Rocky Mts., Tex.
*1576.	**insertans** Smith, Trans. Am. Ent. Soc., xvii, 45, 1890; C. 89.	B. C.
1577.	**brevipennis** Smith, Proc. U. S. Nat. Mus., x, 455, 1887; C. 89.	Cal., Col.
1578.	**oblongostigma** Smith, Proc. U. S. Nat. Mus., x, 454, 1887; C. 89.	Mont., Col.
1579.	**plagigera** Morrison, Proc. Bost. Soc. Nat. Hist., xvii, 163, 1874; Smith, C. 89.	No. U. S.
*1580.	**agema** Strecker, Lep. Rhop. Het., suppl. 2, 5, 1899.	Col.
1581.	**olivalis** Grote, No. Am. Ent., i, 43, 1879; Smith, C. 89.	Col., Utah.
1582.	**ridingsiana** Grote, Bull. Buff. Soc., ii, 305, 1875; Smith, C. 90.	Rocky Mts.
*1583.	**dargo** Strecker, Lep. Rhop. Het., suppl. 1, 6, 1898.	Col.

1584. **pugionis** SMITH, Proc. U. S. Nat. Mus., xxii, 419, 1900. — Col.

1585. **flavidens** SMITH, Proc. U. S. Nat. Mus., x, 455, 1887; C. 90. — Rocky Mts.

1586. **loya** SMITH, Proc. U. S. Nat. Mus., xxii, 422, 1900. — Cal.

1587. **bicollaris** GROTE, Bull. Geol. Surv. Terr., iv, 173, 1878; SMITH, C. 90. — Cal., Nev., Ariz.

1588. **brocha** MORRISON, Proc. Acad. Nat. Sci. Phil., 56, 1875; SMITH, C. 90. — Col., Nev., Kans., Neb.
syn. *bochus* MORRISON.

1589. **sponsa** SMITH, Proc. U. S. Nat. Mus., x, 457, 1887; C. 90. — Wash.

1590. **cogitans** SMITH, Trans. Am. Ent. Soc., xvii, 46, 1890; C. 90. — Cal., Col.

*1591. **achor** STRECKER, Lep. Rhop. Het., suppl. 2, 5, 1899. — Col.

1592. **stigmatalis** SMITH, Proc. U. S. Nat. Mus., x. ii. 425, 1900. — Col.

1593. **hollemani** GROTE, Can. Ent., vi, 156, 1874; SMITH, C. 91. — Cal., Ariz., Col.

1894. **collocata** SMITH, Trans. Am. Ent. Soc., xxi, 50, 1894. — Col.

1595. **nevada** SMITH, Proc. U. S. Nat. Mus., xxii, 420, 1900. — Nev.

*1596. **atristrigata** SMITH, Ent. Amer., vi, 76, 1890; C. 91. — B. C.

1597. **biclavis** GROTE, Bull. Geol. Surv. Terr., v, 206, 1879; SMITH, C. 91. — Ariz.

1598. **perpolita** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 237, 1876; SMITH, C. 91. — No. Atl. States, Col.

1599. **fumalis** GROTE, Bull. Buff. Soc., i, 98, 1873; SMITH, C. 91. — Atl. States.
syn. *permunda* MORRISON.

1600. **perfusca** GROTE, Pap., iii, 77, 1883; SMITH, C. 91. — Cal., Col., Ariz.

1601. **punctigera** WALKER, Cat. Brit. Mus., xxxii, 661, 1865; SMITH, C. 92. — Pac. States, Rocky Mts.
syn. *pastoralis* GROTE.

1602. **finis** SMITH, Proc. U. S. Nat. Mus., x, 457, 1887; C. 92. — Mont.

1603. **velleripennis** GROTE, Sixth Rept. Peab. Acad. Sci., app., 25, 1874; SMITH, C. 92. — Atl. States, Col.

1604. **atomaris** SMITH, Trans. Am. Ent. Soc., xvii, 47, 1890; C. 92. — Cal., Col.

1605. **flaviscapula** SMITH, Proc. U. S. Nat. Mus., xxii, 422, 1900. — N. Mex.

1606. **exculta** SMITH, Proc. U. S. Nat. Mus., xxii, 424, 1900. — Col.

1607. **excogita** SMITH, Proc. U. S. Nat. Mus., xxii, 423, 1900. — Col.

1608. **gagates** GROTE, Can. Ent., vii, 68, 1875; SMITH, C. 92. — Col., Cal.

1609. **nævulus** SMITH, Proc. U. S. Nat. Mus., xxii, 424, 1900. — Cal.

1610. **citricolor** GROTE, Can. Ent., xii, 154, 1880; SMITH, C. 92. — Rocky Mts.

1611. **acornis** SMITH, Ent. News, vi, 335, 1895. — Alberta.

1612. **megastigma** SMITH, Proc. U. S. Nat. Mus., xxii, 425, 1900. — Alberta.

1613. **mœrens** GROTE, Can. Ent., xv, 4, 1883; SMITH, C. 93. — Ariz.

1614. **misturata** SMITH, Bull. 38, U. S. Nat. Mus., 156, 1890; C. 92. — Col.

1615. **mitis** SMITH, Trans. Am. Ent. Soc., xxi, 49, 1894. — Col.

1616. **candida** SMITH, Trans. Am. Ent. Soc., xxi, 49, 1894. — Mont.

1617. **contagionis** SMITH, Proc. U. S. Nat. Mus., xxii, 421, 1900. — Col., Nev.

*1618. **dolis** GROTE, No. Am. Ent., i, 91, 1880; SMITH, C. 93. — Col.

1619. **falerina** SMITH, Proc. U. S. Nat. Mus., xxii, 429, 1900. — Col.

1620. **scandens** RILEY, First Rept. Ins. Mo., 76, 1869; SMITH, C. 93. — Atl. States, Col.

*1621. **detesta** SMITH, C. 93, 1893. — Col.

1622. **remota** SMITH, Trans. Am. Ent. Soc., xvii, 48, 1890; C. 93. — Cal., Col.

1623. **detersa** WALKER, Cat. Brit. Mus., ix, 212, 1856; SMITH, C. 93. — Atl. States, Col.

syn. *pitychrous* GROTE, *personata* MORRISON.

*1624. **infracta** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 115, 1875; SMITH, C. 93. — Col., Tex.

*1625. **gian** STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898. — Ariz.

*1626. **azif** STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898. — N. Y.

1627. **luteola** SMITH, Proc. U. S. Nat. Mus., x, 457, 1887; C. 94. — Ariz.

*1628. **serricornis** SMITH, Proc. U. S. Nat. Mus., x, 458, 1887; C. 94. — So. Cal.

*1629. **tetrica** SMITH, Proc. U. S. Nat. Mus., x, 458, 1887; C. 94. — Tex., Nev.

1630. **vulpina** SMITH, Ent. News, vi, 335, 1895. — Alberta.

1631. **bostoniensis** GROTE, Proc. Acad. Nat. Sci. Phil., 203, 1874; SMITH, C. 94. — Atl. States.

1632. **cænis** GROTE, No. Am. Ent., i, 44, 1879; SMITH, C. 94. — Col., N. Mex.

1633. **muscosa** GROTE, Can. Ent., xv, 26, 1883; SMITH, C. 94. — Col.

1634. **medialis** SMITH, Proc. U. S. Nat. Mus., x, 459, 1887; C. 95. — Tex., Col.

1635. **feniseca** HARVEY, Bull. Buff. Soc., iii, 74, 1875; SMITH, C. 95. — Cal.

1636. **audentis** SMITH, Trans. Am. Ent. Soc., xxi, 51, 1894. — Col.

syn. *amnir* STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898.

1637. **cona** STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898. — Col.

1638. **enteridis** SMITH, Proc. U. S. Nat. Mus., xxii, 427, 1900. — Wash.

1639. **vallus** SMITH, Proc. U. S. Nat. Mus., xxii, 430, 1900. — B. C.

1640. **termessus** SMITH, Proc. U. S. Nat. Mus., xxii, 426, 1900. — Wyo.

*1641. **alko** STRECKER, Lep. Rhop. Het., suppl. 2, 5, 1899. — Col.

1642. **dakota** SMITH, Proc. U. S. Nat. Mus., xxii, 442, 1900. — Dak.

1643. **sessile** SMITH, Proc. U. S. Nat. Mus., xxii, 431, 1900. — Col.

1644. **relaxus** SMITH, Proc. U. S. Nat. Mus., xxii, 432, 1900. — Cal.

1645. **luteositus** SMITH, Proc. U. S. Nat. Mus., xxii, 433, 1900. — Col.

*1646. **extranea** SMITH. Proc. U. S. Nat. Mus., x, 459, 1887; C. 95. — Mont.

*1647. **trifasciata** SMITH. Proc. U. S. Nat. Mus., x, 460, 1887; C. 95. — Oreg.

1648. **bifasciata** SMITH. Proc. U. S. Nat. Mus., x, 460, 1887; C. 95. — Ariz.

1649. **messoria** HARRIS. Rep. Ins. Mass., 324, 1841; SMITH, C. 96; Proc. U. S. Nat. Mus., xxii, 434, 1900. — U. S.

syn. *spissa* GUENÉE, *cochrani* RILEY, *repentis* GROTE & ROBINSON, *displicicns* WALKER, *reticens* WALKER, *ordinata* WALKER, *inextricata* WALKER, *indirecta* WALKER, *septentrionalis* WALKER, *inducta* WALKER.

1650. **incubita** SMITH. Proc. U. S. Nat. Mus., xxii, 435, 1900. — Wash., Cal.

1651. **terrenus** SMITH. Proc. U. S. Nat. Mus., xxii, 436, 1900. — Wash.

1652. **pleuritica** GROTE. Check List, 47, 1875; SMITH, C. 97. — No. Atl. States.

1653. **tocoyæ** SMITH. Proc. U. S. Nat. Mus., xxii, 433, 1900. — Cal.

1654. **territorialis** SMITH. Proc. U. S. Nat. Mus., xxii, 436, 1900. — Col., Wash.

1655. **fulda** SMITH. Proc. U. S. Nat. Mus., xxii, 437, 1900. — Cal.

*1656. **drewseni** STAUDINGER. Stett. ent. Zeit., xviii, 302, 1857; SMITH, C. 97. — Greenl.

1657. **rubefactalis** GROTE. Bull. Geol. Surv. Terr., vi, 154, 1880; SMITH, C. 97. — Wash., Col.

1658. **perturbata** SMITH. Bull. 38, U. S. Nat. Mus., 222, 1890; C. 97. — Col.

1659. **brunneigera** GROTE. Bull. Buff. Soc., iii, 80, 1875; SMITH, C. 98. — Pac. States, Col., La.

1660. **incallida** SMITH. Trans. Am. Ent. Soc., xvii, 50, 1890; C. 98. — Cal.

1661. **lutulenta** SMITH. Trans. Am. Ent. Soc., xvii, 50, 1890; C. 98. — Cal., Col.

*1662. **comosa** MORRISON. Proc. Bost. Soc. Nat. Hist., xviii, 238, 1876; SMITH, C. 95. — Col.

*1663. **fauna** MORRISON. Proc. Bost. Soc. Nat. Hist., xviii, 237, 1876; SMITH, C. 98. — Cal.

1664. **itodes** SMITH, Proc. U. S. Nat. Mus., xxii, 438, 1900. — Ariz.

1665. **lagganæ** SMITH, Proc. U. S. Nat. Mus., xxii, 439, 1900. — Alberta.

1666. **ontario** SMITH, Proc. U. S. Nat. Mus., xxii, 440, 1900. — Can.

1667. **testula** SMITH, Proc. U. S. Nat. Mus., xxii, 440, 1900. — Alberta.

1668. **difformis** SMITH, Proc. U. S. Nat. Mus., xxii, 441, 1900. — Oreg.

1669. **choris** HARVEY, Can. Ent., viii, 37, 1876; SMITH, C. 97. — Nev.

1670. **sculptilis** HARVEY Bull. Buff. Soc., ii, 271, 1874; SMITH, C. 95. — Tex., N. Mex.
syn. *xyliniformis* SMITH.

1671. **conjuncta** SMITH, Bull. 38, U. S. Nat. Mus., 221, 1890; C. 98. — N. Mex., Col.

1672. **pallipennis** SMITH, Proc. U. S. Nat. Mus., x, 461, 1887; C. 104. — Col., B. C.

1673. **recticincta** SMITH, Ent. News, vi, 334, 1895. — Alberta.

1674. **annulipes** SMITH, Trans. Am. Ent. Soc., xvii, 48, 1890; C. 98. — Oreg.

1675. **pedalis** SMITH, Bull. 38, U. S. Nat. Mus., 220, 1890; C. 98. — Col.

1676. **lineifrons** SMITH, Bull. 38, U. S. Nat. Mus., 219, 1890; C. 98. — Col.

1677. **kervillei** SMITH, Proc. U. S. Nat. Mus., xxii, 443, 1900. — Tex.

*1678. **teleboa** SMITH, Bull. 38, U. S. Nat. Mus., 219, 1890. — N. Mex., Col.

1679. **murdockii** SMITH, Trans. Am. Ent. Soc., xvii, 49, 1890; C. 99. — Utah, B. C.

1680. **quinquelinea** SMITH, Trans. Am. Ent. Soc., xvii, 49, 1890; C. 99. — Cal.

1681. **friabilis** GROTE, Can. Ent., vii, 187, 1875; SMITH, C. 99. — No. U. S.

1682. **fuscigera** GROTE, Can. Ent., vi, 155, 1874; SMITH, C. 99. — Cal., Col.

*1683. **orbicularis** SMITH, Proc. U. S. Nat. Mus., x, 460, 1887; C. 99. — Nev.

*1684. **micronyx** GROTE, Bull. Geol. Surv. Terr., iv, 171, 1878; SMITH, C. 99. — Cal.

1685. **atropulverea** SMITH, Proc. U. S. Nat. Mus., xxii, 428, 1900. — Col.

*1686. **numa** STRECKER, Lep. Rhop. Het., suppl. 1, 5, 1898. — Wash.

1687. **ternarius** SMITH, Proc. U. S. Nat. Mus., xxii, 444, 1900. — Col.

1688. **compressipennis** SMITH, Proc. U. S. Nat. Mus., xxii, 429, 1900. — Cal.

1689. **holoberba** SMITH, Proc. U. S. Nat. Mus., xxii, 443, 1900. — Alberta.

1690. **objurgata** SMITH, Proc. U. S. Nat. Mus., xxii, 448, 1900. — Wash., Dak.

1691. **cariosus** SMITH, Proc. U. S. Nat. Mus., xxii, 449, 1900. — Wash.

1692. **intrita** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 164, 1874; SMITH, C. 99. — B. C., Cal., Ariz.

*1693. **mollis** WALKER, Cat. Brit. Mus., x, 331, 1856; SMITH, C. 100. — Me., Can., Col.
syn. *fernaldi* MORRISON.

*1694. **opipara** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 165, 1874; SMITH, C. 100. — N. H., Lab.
syn. *labradoriensis* STAUDINGER.

*1695. **tristicula** MORRISON, Proc. Acad. Nat. Sci. Phil., 429, 1875; SMITH, C. 100. — Me.

1696. **munis** GROTE, No. Am. Ent., i, 38, 1879; SMITH, C. 100. — Col., Nev., N. Mex.
syn. *sublatis* GROTE.

*1697. **dissona** MÖSCHLER, Wien. ent. Mon., iv, 365, 1860; SMITH, C. 101. — Lab.

1698. **vetusta** WALKER, Cat. Brit. Mus., xxxii, 662, 1865; SMITH, C. 101. — Pac. States.
syn. *tetra* WALKER, *euroides* GROTE, *perpura* MORRISON.

1699. **titubatis** SMITH, Trans. Am. Ent. Soc., xxi, 51, 1894. — Oreg., Col.

*1700. **reuda** STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898. — Wash.

1701. **noctuiformis** SMITH, Proc. U. S. Nat. Mus., xxii, 445, 1900. — Cal., Wash.

1702. **infausta** WALKER, Cat. Brit. Mus., xxxiii, 729, 1865; SMITH, C. 101. — B. C., Col., N. Mex.
syn. *rufula* SMITH.

1703. **basiflava** SMITH, Trans. Am. Ent. Soc., xvii, 52, 1890; C. 101. — B. C., Col.

1704. **alticola** SMITH, Trans. Am. Ent. Soc., xvii, 51, 1890; C. 101. — Cal., Col.

*1705. **satis** HARVEY, Can. Ent., viii, 36, 1876; SMITH, C. 102. — Cal., Nev., Mont.

1706. **rena** SMITH, Trans. Am. Ent. Soc., xvii, 53, 1890; C. 102. — Cal.

1707. **insulsa** WALKER, Cat. Brit. Mus., ix, 234, 1856; SMITH, C. 102. — U. S.
syn. *insignata* WALKER, *expulsa* WALKER, *declarata* WALKER, *decolor* MORRISON, *campestris* GROTE.
a. **verticalis** GROTE, Bull. Brook. Ent. Soc., iii, 29, 1880.

1708. **albipennis** GROTE, Bull. Buff. Soc., iii, 118, 1877; SMITH, C. 103. — Atl. States, Rocky Mts.
syn. *nigripennis* GROTE.

*1709. **spectanda** SMITH, Trans. Am. Ent. Soc., xvii, 54, 1890; C. 103. — Cal.

1710. **neotelis** SMITH, Proc. U. S. Nat. Mus., xxii, 446, 1900. — Wash. Col.

1711. **tessellata** HARRIS, Rep. Ins. Mass., 324, 1841; SMITH, C. 103. — U. S.
syn. *maizi* FITCH, *atropurpurea* GROTE.

1712. **intrusa** SMITH, Proc. U. S. Nat. Mus., xxii, 446, 1900. — Cal.

1713. **atrofusca** SMITH, Proc. U. S. Nat. Mus., xxii, 447, 1900. — Col.

1714. **malis** SMITH, Proc. U. S. Nat. Mus., xxii, 450, 1900. — Man.

*1715. **colla** STRECKER, Lep. Rhop. Het., suppl. 1, 6, 1898. — Col.

1716. **basalis** GROTE, No. Am. Ent., i, 38, 1879; SMITH, C. 104. — Col.

*1717. **solitaria** SMITH, Stett. ent. Zeit., xlvi, 223, 1885; C. 104. — Lab.

1718. **nostra** SMITH, Trans. Am. Ent. Soc., xvii, 55, 1890; C. 104. — Cal.

1719. **ochrogaster** GUENÉE, Spec. Gén., v, 327, 1852; SMITH, C. 104. syn. *illata* WALKER, *cinereomaculata* MORRISON, *gularis* GROTE, *turris* GROTE.	No. Atl. States, Col.
1720. **idahoensis** GROTE, Bull. Geol. Surv. Terr., iv, 171, 1878; SMITH, C. 105.	Rocky Mts.
1721. **furtivus** SMITH, Trans. Am. Ent. Soc., xvii, 56, 1890; C. 105.	Cal., Col.
*1722. **westermanni** STAUDINGER, Stett. ent. Zeit., xviii, 303, 1857; SMITH, C. 105.	Lab., Greenl.
1723. **fœminalis** SMITH, Proc. U. S. Nat. Mus., xxii, 454, 1900.	Col.
1724. **obeliscoides** GUENÉE, Spec. Gén., v, 293, 1852; SMITH, C. 105. syn. *sexatilis* GROTE.	No. Atl. States, Rocky Mts.
1725. **infusa** SMITH, Can. Ent., xxxiv, 30, 1902.	Man., Wyo.
1726. **perexcellens** GROTE, Bull. Geol. Surv. Terr., vi, 156, 1880; SMITH, C. 106. syn. *infelix* SMITH.	Pac. States, Col.
*1727. **abar** STRECKER, Lep. Rhop. Het., suppl. 2, 5, 1899.	Col.
*1728. **islandica** STAUDINGER, Stett. ent. Zeit., xviii, 232, 1857; SMITH, C. 106.	Iceland.
1729. **henrietta** SMITH, Proc. U. S. Nat. Mus., xxii, 452, 1900.	Cal., Ariz.
1730. **vanidicus** SMITH, Proc. U. S. Nat. Mus., xxii, 453, 1900.	Ariz., Wash.
1731. **acutifrons** SMITH, Proc. U. S. Nat. Mus., xxii, 458, 1900.	Cal., Oreg.
1732. **nordica** SMITH, Proc. U. S. Nat. Mus., xxii, 455, 1900.	B. C.
1733. **factoris** SMITH, Proc. U. S. Nat. Mus., xxii, 456, 1900.	Col.
*1734. **colata** GROTE, Can. Ent., xiii, 131, 1881; SMITH, C. 106.	Oreg., Cal.
*1735. **lewisi** GROTE, Bull. Buff. Soc., i, 137, 1873; SMITH, C. 106.	Col.
1736. **divergens** WALKER, Cat. Brit. Mus., x, 327, 1856; SMITH, C. 107. syn. *versipellis* GROTE.	No. U. S.
1737. **redimicula** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 165, 1874; SMITH, C. 107.	No. Atl. States, Col.
1738. **servitus** SMITH, Ent. News, vi, 336, 1895.	Col., Alberta.

1739. **fusimacula** SMITH, Can. Ent., xxxiv, 125, 1902. — Cal.

1740. **pindar** SMITH, Proc. U. S. Nat. Mus., xxii, 451, 1900. — Utah.

*1741. **atrifera** GROTE, Bull. Geol. Surv. Terr., iv, 173, 1878; SMITH, C. 107. — Cal., Col., Me.

*1742. **strigilis** GROTE, Bull. Buff. Soc., iii, 81, 1876; SMITH, C. 107. — B. C.

1743. **tesselloides** GROTE, Bull. Geol. Surv. Terr., vi, 566, 1880; SMITH, C. 107. — Cal., Ariz., Col.

1744. **cæsius** SMITH, Proc. U. S. Nat. Mus., xxii, 457, 1900. — Cal.

1745. **silens** GROTE, Can. Ent., vii, 67, 1875; SMITH, C. 107. — Cal., Ariz., Col.

1746. **laminis** SMITH, Proc. U. S. Nat. Mus., xxii, 460, 1900. — Cal.

1747. **selenis** SMITH, Proc. U. S. Nat. Mus., xxii, 459, 1900. — Cal.

*1748. **perlentans** WALKER, Cat. Brit. Mus., x, 352, 1856; SMITH, C. 108. — N. Y.

EUCOPTOCNEMIS Grote.

GROTE, Bull. Buff. Soc., ii, 13, 1874.

1749. **fimbriaris** GUENÉE, Spec. Gén., v, 172, 1852; SMITH, C. 109. — Mass.

syn. *obria* WALKER.

RICHIA Grote.

GROTE, Can. Ent., xix, 44, 1887.

1750. **chortalis** HARVEY, Bull. Buff. Soc., ii, 272, 1875; SMITH, C. 108. — Tex., Rocky Mts.

a. **atratrix** HARVEY, Bull. Buff. Soc., iii, 74, 1875.

1751. **parentalis** GROTE, No. Am. Ent., i, 44, 1879; SMITH, C. 108. — Col., N. Mex.

a. **decipiens** GROTE, No. Am. Ent., i, 45, 1879.

*1752. **distichoides** GROTE, Trans. Kans. Acad. Sci., viii, 48, 1883; SMITH, C. 109. — N. Mex.

ANYTUS Grote.

GROTE, Bull. Buff. Soc., i, 144, 1873.

1753. **privatus** WALKER, Cat. Brit. Mus., xi, 521, 1857; SMITH, C. 109. — Atl. States, Col.

syn. *sculptus* GROTE.

a. **planus** GROTE, Can. Ent., xiv, 183, 1882.

*1754. **theodora** SCHAUS, Trans. Am. Ent. Soc., xxi, 223, 1894 (of this genus?). — Ariz., Mex.

1755. **atristrigatus** SMITH, Proc. U. S. Nat. Mus., xxii, 460, 1900. — Tex.

1756. **profundus** SMITH, Can. Ent., xxxii, 218, 1900. — Man.

1757. **obscurus** SMITH, Can. Ent., xxxii, 218, 1900. — Alberta.

UFEUS Grote.

GROTE, Bull. Buff. Soc., i, 101, 1873.

*1758. **sagittarius** GROTE, Pap., iii, 31, 1883; SMITH, C. 190. — Cal.

1759. **plicatus** GROTE, Bull. Buff. Soc., i, 102, 1873; SMITH, C. 190. — No. Atl. States, Col., Cal.
syn. *barometricus* GOOSSENS, Le Nat., iii, 380, 1881.

1760. **unicolor** GROTE, Bull. Geol. Surv. Terr., iv, 179, 1878; SMITH, C. 190. — Ill., Col.

*1761. **faunus** STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898. — N. Mex.

1762. **satyricus** GROTE, Bull. Buff. Soc., i, 101, 1873; SMITH, C. 191. — No. Atl. States.

AGROTIPHILA Grote.

GROTE, Ann. Lyc. Nat. Hist. N. Y., xi, 107, 1875.

1763. **alaskæ** GROTE, Bull. Buff. Soc., iii, 84, 1876; SMITH, C. 110. — Alaska.

1764. **incognita** SMITH, Trans. Am. Ent. Soc., xxi, 52, 1894. — B. C.

*1765. **staudingeri** MÖSCHLER, Wien. ent. Mon., vi, 132, 1862; SMITH, C. 110. — Lab., N. H., Col.
syn. *montana* MORRISON.

1766. **rigida** SMITH, Trans. Am. Ent. Soc., xviii, 133, 1891; C. 110. — Col.

1767. **maculate** SMITH, Trans. Am. Ent. Soc., xxi, 53, 1894. — B. C.

1768. **colorado** SMITH, Trans. Am. Ent. Soc., xviii, 133, 1891; C. 110. — Col.

*1769. **velata** STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898. — Tex.

PTEROSCIA Morrison.

MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 155, 1874.

*1770. **atrata** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 156, 1874; SMITH, C. 191. — N. H.

MAMESTRA Ochsenheimer.

Ochsenheimer, Schmett. Eur., iv, 76, 1816.

1771. **discalis** Grote, Bull. Geol. Surv. Terr., iii, 797, 1877; Smith, C. 114. — Col., Cal., N. Mex.

1772. **rogenhoferi** Möschler, Stett. ent. Zeit., xxxi, 269, 1870; Smith, C. 114. — Lab.

1773. **nimbosa** Guenée, Spec. Gén., vi, 77, 1852; Smith, C. 114. — No. Atl. States.

1774. **imbrifera** Guenée, Spec. Gén., vi, 76, 1852; Smith, C. 114. — No. Atl. States.

1775. **purpurissata** Grote, Proc. Ent. Soc. Phil., iii, 82, 1864; Smith, C. 114. — No. Atl. States.

1776. **juncimacula** Smith, Bull. Brook. Ent. Soc., v, 67, 1882; C. 114. — Col.

1777. **insolens** Grote, Bull. Buff. Soc., ii, 65, 1874; Smith, C. 115. — Cal.

syn. *arietis* Grote, *carina* Morrison.

1778. **leucogramma** Grote, Bull. Buff. Soc., i, 140, 1873; Smith, C. 115. — Cal.

1779. **lepidula** Smith, Proc. U. S. Nat. Mus., x, 463, 1887; C. 115. — Tex.

1780. **determinata** Smith, Proc. U. S. Nat. Mus., xiv, 209, 1891; C. 115. — Col.

1781. **meditata** Grote, Bull. Buff. Soc., i, 104, 1873; Smith, C. 115. — Atl. States.

1782. **lustralis** Grote, Can. Ent., vii, 223, 1875; Smith, C. 115. — Atl. States, Col., Ariz.

syn. *suffusa* Smith, Proc. U. S. Nat. Mus., x, 474, 1887; C. 203.

1783. **detracta** Walker, Cat. Brit. Mus., xi, 733, 1857; Smith, C. 116. — Atl. States, N. Mex.

syn. *clariplena* Grote.

1784. **gnata** Grote, Can. Ent., xiv, 170, 1882; Smith, C. 116. — Ariz., N. Mex.

1785. **distincta** Hübner, Samml. exot. Schmett., i, 1810; Smith, C. 116. — Atl. States, Col.

syn. *vitis* French.

1786. **crotchii** Grote, Bull. Brook. Ent. Soc., iii, 29, 1880; Smith, C. 116. — Col., Oreg., Cal.

a. **fusculenta** Smith, Proc. U. S. Nat. Mus., xiv, 213, 1891.

1787. **farnhami** Grote, Bull. Buff. Soc., i, 103, 1873; Smith, C. 116. — Col.

1788. **liquida** GROTE, Pap., i, 58, 1881; SMITH, C. 116. — Wash., Oreg., Cal.

1789. **capsularis** GUENÉE, Spec. Gén., vi, 22, 1852; SMITH, C. 117. — Atl. States, Col.
syn. *propulsa* WALKER.

*1790. **vittula** GROTE, Trans. Kans. Acad. Sci., viii, 48, 1882; SMITH, C. 117. — N. Mex.

1791. **prodeniformis** SMITH, Proc. U. S. Nat. Mus., ix, 464, 1887; C. 117. — Ariz., N. Mex.

1792. **atlantica** GROTE, Bull. Buff. Soc., ii, 12, 1874; SMITH, C. 117. — Atl. States.
syn. *discolor* SPEYER.

1793. **radix** WALKER, Cat. Brit. Mus., x, 332, 1856; SMITH, C. 117. — No. U. S., Cal.
syn. *dimmocki* GROTE, *desperata* SMITH.

*1794. **canadensis** SMITH, Proc. U. S. Nat. Mus., x, 464, 1887; C. 118. — New Bruns.

*1795. **nevadæ** GROTE, Bull. Buff. Soc., iii, 84, 1876; SMITH, C. 118. — Cal.

1796. **subjuncta** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 198, 1868; SMITH, C. 118. — Atl. States, Col.

1797. **gussata** SMITH, Ent. News, vi, 337, 1895. — Alberta.

1798. **ingravis** SMITH, Ent. News, vi, 337, 1895; ix, 250, 1898. — Alberta.

1799. **invalida** SMITH, Proc. U. S. Nat. Mus., xiv, 225, 1891; C. 119. — Pac. States, Col.

1800. **grandis** BOISDUVAL, Guenée, Ind. Méth., 120, 1840; SMITH, C. 118. — No. U. S.
syn. *libera* WALKER.

1801. **trifolii** ROTTEMBURG, Naturf., ix, 131, 1776; SMITH, C. 119. — U. S., Eur.
syn. *chenopodii* FABRICIUS, *albifusa* WALKER, *glaucovaria* WALKER, *major* SPEYER.
a. **oregonica** GROTE, Can. Ent., xiii, 230, 1881.

1802. **u-scripta** SMITH, Proc. U. S. Nat. Mus., xiv, 228, 1891; C. 119. — Cal., Col.

1803. **rosea** HARVEY, Bull. Buff. Soc., ii, 119, 1874; SMITH, C. 120. — No. U. S.

1804. **larissa** SMITH, Ent. News, vi, 338, 1895. — Alberta.

1805. **congermana** MORRISON, Can. Ent., vi, 106, 1874; SMITH, C. 120. — No. Atl. States, Col.

*1806. **rubefacta** MORRISON, Can. Ent., vi, 249, 1874; SMITH, C. 120. — No. Atl. States.

1807. **picta** HARRIS, Rep. Ins. Mass., 329, 1847; SMITH, C. 120. — Atl. States, Col.
syn. *exusta* GUENÉE, *contraria* WALKER.

1808. **cristifera** WALKER, Cat. Brit. Mus., xv, 1654, 1858; SMITH, C. 121. — No. U. S.
syn. *lubens* GROTE.

1809. **assimilis** MORRISON, Bull. Buff. Soc., ii, 119, 1874; SMITH, C. 121. — No. Atl. States.
a. **pulverulenta** SMITH, Proc. U. S. Nat. Mus., x, 468, 1887.

1810. **latex** GUENÉE, Spec. Gén., vi, 78, 1852; SMITH, C. 121. — No. Atl. States.
syn. *demissa* WALKER.

*1811. **passa** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 139, 1874; SMITH, C. 122. — Cal.

1812. **adjuncta** BOISDUVAL, Guenée, Ind. Méth., 243, 1841; SMITH, C. 122. — No. Atl. States.

1813. **variolata** SMITH, Proc. U. S. Nat. Mus., x, 467, 1887; C. 122. — Wash.

*1814. **glaciata** GROTE, Can. Ent., xiv, 170, 1882; SMITH, C. 122. — Ariz., Col.

1815. **minorata** SMITH, Proc. U. S. Nat. Mus., x, 467, 1887; C. 122. — Cal., Col.

*1816. **defessa** GROTE, Can. Ent., xii, 88, 1880; SMITH, C. 122. — Cal.

1817. **chartaria** GROTE, Bull. Buff. Soc., i, 138, 1873; SMITH, C. 122. — Cal., Wash., Col.

*1818. **repentina** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 118, 1875; SMITH, C. 122. — N. J.

*1819. **brachiolum** HARVEY, Can. Ent., viii, 6, 1876; SMITH, C. 122. — Tex., Ariz.

*1820. **beanii** GROTE, Can. Ent., ix, 87, 1877; SMITH, C. 122. — Ill., Tex., Col.

1821. **rugosa** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 119, 1875; SMITH, C. 122. — Me.

1822. **ligitima** GROTE, Proc. Ent. Soc. Phil., iii, 82, 1864; SMITH, C. 122. — No. U. S.

1823. **lilacina** HARVEY, Bull. Buff. Soc., ii, 119, 1874; SMITH, C. 122. — No. Atl. States, Col., N. Mex.
syn. *illabefacta* MORRISON.

1824. **noverca** GROTE, Can. Ent., x, 236, 1878; SMITH, C. 124. — Cal., Col., Ariz., Neb.

1825. **goodellii** GROTE, Can. Ent., vii, 223, 1875; SMITH, C. 124. — No. Atl. States.

1826. **quadrata** SMITH, Proc. U. S. Nat. Mus., xiv, 248, 1891; C. 124. — Cal.

1827. **obscura** SMITH, Proc. U. S. Nat. Mus., x, 468, 1891; C. 124. — Wis.

1828. **ectypa** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 118, 1875; SMITH, C. 124. — N. J., W. Va.

syn. *bella* GROTE.

1829. **renigera** STEPHENS, Ill. Brit. Ent., Haust., ii, 16, 1829; SMITH, C. 124. — No. Atl. States, Col., Eur.

syn. *herbimacula* GUENÉE, *infecta* WALKER.

1830. **stricta** WALKER, Cat. Brit. Mus., xxxiii, 728, 1865; SMITH, C. 125. — Pac. States.

syn. *ferrea* GROTE.

a. **cinnabarina** GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 241, 1874.

*1831. **spiculosa** GROTE, Can. Ent., xvi, 28, 1883; SMITH, C. 125. — Ariz.

1832. **olivacea** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 143, 1874; SMITH, C. 125. — No. U. S.

a. **obscurior** SMITH, Proc. U. S. Nat. Mus., x, 465, 1887.

b. **comis** GROTE, Bull. Geol. Surv. Terr., iii, 85, 1877.

syn. *darena* SMITH, Trans. Am. Ent. Soc., xxvii, 237, 1901; *lucina* SMITH, Trans. Am. Ent. Soc., xxvii, 236, 1901; *altua* SMITH, Trans. Am. Ent. Soc., xxvii, 236, 1901; *megarena* SMITH, Trans. Am. Ent. Soc., xxvii, 236, 1901; *petita* SMITH, Trans. Am. Ent. Soc., xxvii, 239, 1901.

c. **rectilinea** SMITH, Proc. U. S. Nat. Mus., x, 465, 1887; C. 125.

syn. *circumcincta* SMITH, Proc. U. S. Nat. Mus., xiv, 253, 1891; C. 125; *obnigra* SMITH, Trans. Am. Ent. Soc., xxvii, 238, 1901.

*1833. **vau-media** SMITH, Proc U. S. Nat. Mus., x, 466, 1887; C. 126. — Col.

*1834. **incurva** SMITH, Proc. U. S. Nat. Mus., x, 466, 1887; C. 126. — Col., Ariz., N. Mex.

1835. **quadrilineata** GROTE, Bull. Buff. Soc., i, 140, 1873; SMITH, C. 126. — Ariz., Cal.

1836. **marinitincta** HARVEY, Bull. Buff. Soc., ii, 273, 1875; SMITH, C. 126. — Tex.

1837. **laudabilis** GUENÉE, Spec. Gén., vi, 30, 1852; SMITH, C. 126. — So. Atl. States, Col., Cal.
syn. *indicans* WALKER, *strigicollis* WALLENGREN.
a. **illaudabilis** GROTE, Can. Ent., vii, 27, 1875.

1838. **albogutta** GROTE, Bull. Buff. Soc., iii, 85, 1877; SMITH, C. 126. — N. Mex., Oreg., Cal.

1839. **cuneata** GROTE, Bull. Buff. Soc., i, 139, 1873; SMITH, C. 127. — Pac. States, N. Y.

*1840. **sutrina** GROTE, Pap., i, 5, 1881; SMITH, C. 127; Ent. News, ix, 230, 1898. — Col.

1841. **quadrannulata** MORRISON, Proc. Acad. Nat. Sci. Phil., 430, 1875; SMITH, C. 127. — Neb., Tex., Col.

1842. **lorea** GUENÉE, Spec. Gén., v, 126, 1852; SMITH, C. 127. — Atl. States, Col.
syn. *ligata* WALKER, *dodgei* GROTE.

1843. **erecta** WALKER, Cat. Brit. Mus., x, 264, 1856; SMITH, C. 127. — Tex.
syn. *constipata* WALKER, *inusta* GROTE.

1844. **longiclava** SMITH, Proc. U. S. Nat. Mus., xiv, 265, 1891; C. 128. — Col.

1845. **anguina** GROTE, Can. Ent., xiii, 129, 1881; SMITH, C. 128. — No. Atl. States, Col.

1846. **languida** SMITH, Trans. Am. Ent. Soc., xxi, 54, 1894. — Col.

1847. **hadeniformis** SMITH, Trans. Am. Ent. Soc., xxi, 55, 1894. — Col.

1848. **fuscolutea** SMITH, Trans. Am. Ent. Soc., xxi, 55, 1894. — Col.

1849. **segregata** SMITH, Trans. Am. Ent. Soc., xxi, 56, 1894. — B. C.

1850. **vicina** GROTE, Bull. Buff. Soc., ii, 156, 1874; SMITH, C. 128. — Atl. States, Cal.
syn. *teligera* MORRISON, *acutipennis* GROTE.

1851. **pensilis** GROTE, Proc. Acad. Nat. Sci. Phil., 199, 1874; SMITH, C. 128. — Pac. States, Col.

*1852. **impolita** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 140, 1874; SMITH, C. 129. — Can.

1853. **plicata** SMITH, Ent. News, ix, 243, 1898. — Col.

*1854. **ferrealis** GROTE, Can. Ent., xv, 29, 1883; SMITH, C. 128. — Mont.

*1855. **subdita** Möschler, Wien. ent. Mon., iv, 363, 1860; Smith, C. 129. — Lab.

1856. **cervina** Smith, Ent. News, ix, 247, 1898. — Man.

1857. **neoterica** Smith, Ent. News, ix, 244, 1898. — Man.

1858. **nugatis** Smith, Ent. News, ix, 240, 1898. — Mont., Neb.

1859. **mystica** Smith, Ent. News, ix, 242, 1898. — Man.

1860. **intentata** Smith, Ent. News, ix, 245, 1898. — Col.

1861. **ectrapela** Smith, Ent. News, ix, 249, 1898. — B. C.

*1862. **doira** Strecker, Lep. Rhop. Het., suppl. 1, 7, 1898. — Utah.

1863. **griseata** Smith, Proc. U. S. Nat. Mus., xxii, 467, 1900. — Col.

1864. **senatoria** Smith, Proc. U. S. Nat. Mus., xxii, 461, 1900. — Ariz.

1865. **dilatata** Smith, Proc. U. S. Nat. Mus., xxii, 464, 1900. — N. Mex.

1866. **yakima** Smith, Proc. U. S. Nat. Mus., xxii, 464, 1900. — Wash.

1867. **roseosuffusa** Smith, Proc. U. S. Nat. Mus., xxii, 466, 1900. — Ariz.

1868. **rainierii** Smith, Proc. U. S. Nat. Mus., xxii, 462, 1900. — Wash.

1869. **florida** Smith, Proc. U. S. Nat. Mus., xxii, 465, 1900. — Fla.

1870. **bolteri** Smith, Proc. U. S. Nat. Mus., xxii, 463, 1900. — N. Mex.

1871. **mutilata** Smith, Ent. News, ix, 246, 1898. — B. C.

*1872. **selana** Strecker, Lep. Rhop. Het., suppl. 1, 7, 1898. — Tex.

*1873. **mania** Strecker, Lep. Rhop. Het., suppl. 2, 5, 1899. — Col.

*1874. **tacoma** Strecker, Lep. Rhop. Het., suppl. 3, 31, 1900. — Wash.

1875. **nævia** Smith, Ent. News, ix, 248, 1898. — Col.

1876. **negussa** Smith, Can. Ent., xxxii, 219, 1900. — Alberta.

*1877. **circumvadis** Smith, Jn. N. Y. Ent. Soc., x, 42, 1902. — Alberta.

*1878. **vau-orbicularis** Smith, Jn. N. Y. Ent. Soc., x, 42, 1902. — Oreg.

ADMETOVIS Grote.

Grote, Bull. Buff. Soc., i, 133, 1873.

1879. **oxymorus** Grote, Bull. Buff. Soc., i, 133, 1873; Smith, C. 113. — Cal., Col.

1880. **similis** Barnes. — Cal., Col.

BARATHRA Hübner.

Hübner, Verz. bek. Schmett., 218, 1816; *Copimamestra* Grote.

1881. **occidentata** Grote. Ann. Mag. Nat. Hist. (5), xi, 53, 1883; Smith, C. 113. — N. Mex.

1882. **curialis** Smith, Proc. U. S. Nat. Mus., x, 470, 1887; C. 113. — Me., N. H.

NEURONIA Hübner.

Hübner, Verz. bek. Schmett., 215, 1816.

1883. **americana** Smith, Trans. Am. Ent. Soc., xxi, 59, 1894. — Mont.

DARGIDA Walker.

Walker, Cat. Brit. Mus., ix, 201, 1856; *Eupsephopæctes* Grote.

1884. **procinctus** Grote, Bull. Buff. Soc., i, 138, 1873; Smith, C. 170. — Cal., Oreg., Col.

MORRISONIA Grote.

Grote, Bull. Buff. Soc., ii, 53, 1874; Smith, Proc. U. S. Nat. Mus., xv, 64, 1892.

1885. **sectilis** Guenée, Spec. Gén., v, 141, 1852; Smith, C. 232. — No. Atl. States.

syn. *evicta* Grote.

a. **vomerina** Grote, Bull. Buff. Soc., i, 84, 1873.

*1886. **infidelis** Grote, Can. Ent., xi, 206, 1879; Smith, C. 232. — Mich.

1887. **rileyana** Smith, Ent. Amer., vi, 212, 1890; C. 231. — Mo., Tex.

1888. **bisulca** Grote, Can. Ent., xiii, 230, 1881; Smith, C. 232. — Ariz.

1889. **mucens** Hübner, Verz. bek. Schmett., 243, 1816; Smith, C. 231. — Atl. States.

syn. *spoliata* Walker.

1890. **confusa** Hübner, Verz. bek. Schmett., 243, 1816; Smith, C. 232. — Atl. States.

syn. *infructuosa* Walker, *multifaria* Walker.

XYLOMIGES Guenée.

Guenée, Spec. Gén., v, 147, 1852.

1891.	**hiemalis** Grote, Bull. Buff. Soc., ii, 71, 1874; Smith, C. 233. syn. *californica* Behr.	Cal.
1892.	**simplex** Walker, Cat. Brit. Mus., xxxii, 618, 1865; Smith, C. 233. syn. *crucialis* Harvey.	Pac. States, Col.
1893.	**curialis** Grote, Bull. Buff. Soc., i, 143, 1873; Smith, C. 233.	Cal.
1894.	**dolosa** Grote, Can. Ent., xii, 88, 1880; Smith, C. 234.	No. Atl. States, Col.
1895.	**rubrica** Harvey, Can. Ent., x, 58, 1878; Smith, C. 234.	Cal., Oreg.
1896.	**perlubens** Grote, Can. Ent., xiii, 132, 1881; Smith, C. 234. syn. *subapicalis* Smith.	Pac. States, Col.
*1897.	**pulchella** Smith, Trans. Am. Ent. Soc., xxi, 81, 1894.	B. C.
1898.	**ochracea** Riley, Proc. U. S. Nat. Mus., xv, 74, 1892; Smith, C. 234.	Cal.
1899.	**candida** Smith, Trans. Am. Ent. Soc., xxi, 79, 1898.	B. C.
1900.	**patalis** Grote, Bull. Buff. Soc., i, 144, 1873; Smith, C. 234. syn. *fletcheri* Grote.	Pac. States.
1901.	**cognata** Smith, Trans. Am. Ent. Soc., xxi, 78, 1894.	B. C., Oreg., Col.
*1902.	**peritalis** Smith, Proc. U. S. Nat. Mus., xv, 68, 1892; C. 233.	Col., Oreg.
1903.	**indurata** Smith, Trans. Am. Ent. Soc., xxi, 80, 1894.	Col.
1904.	**pallidior** Smith, Jn. N. Y. Ent. Soc., vii, 227, 1899.	B. C.
*1905.	**tabulata** Grote, Bull. Geol. Surv. Terr., iv, 181, 1878; Smith, C. 234.	N. Y.

SCOTOGRAMMA Smith.

Smith, Proc. U. S. Nat. Mus., x, 469, 1887.

1906.	**submarina** Grote, Can. Ent., xv, 4, 1883; Smith, C. 129.	Ariz., Mont., Oreg.

1907. **densa** SMITH, Ins. Life, v, 329, 1893. — Cal., Col.
a. **megæra** SMITH, Jn. N. Y. Ent. Soc., vii, 44, 1899.

1908. **infuscata** SMITH, Jn. N. Y. Ent. Soc., vii, 42, 1899. — Col.

1909. **discolor** SMITH, Jn. N. Y. Ent. Soc., vii, 42, 1899. — Col.

1910. **uniformis** SMITH, Trans. Am. Ent. Soc., xxi, 58, 1894. — B. C.

1911. **luteola** SMITH, Trans. Am. Ent. Soc., xxi, 57, 1894. — B. C.

1912. **perplexa** SMITH, Proc. U. S. Nat. Mus., x, 469, 1887; C. 129. — Col.

1913. **inconcinna** SMITH, Proc. U. S. Nat. Mus., x, 469, 1887; C. 130. — Col.

1914. **umbrosa** SMITH, Proc. U. S. Nat. Mus., x, 470, 1887; C. 130. — Col., Ariz.

1915. **phoca** MÖSCHLER, Wien. ent. Mon., viii, 197, 1864; SMITH, C. 129. — Lab., Col.
syn. *promulsa* MORRISON.

1916. **sedilis** SMITH, Jn. N. Y. Ent. Soc., vii, 43, 1899. — Col.

*1917. **stretchii** HY. EDWARDS, Can. Ent., xix, 146, 1887; SMITH, C. 130. — Ariz.

1918. **conjugata** SMITH, Jn. N. Y. Ent. Soc., vii, 41, 1899. — Col.

ULOLONCHE Smith.

SMITH, Proc. U. S. Nat. Mus., x, 471, 1887.

*1919. **niveiguttata** GROTE, Bull Buff. Soc., i, 140, 1873; SMITH, C. 130. — Cal., Ariz.

1920. **orbiculata** SMITH, Proc. U. S. Nat. Mus., xiv, 266, 1891; C. 131. — Col.

1921. **modesta** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 114, 1874; SMITH, C. 130. — Atl. States.

1922. **fasciata** SMITH, Proc. U. S. Nat. Mus., x, 471, 1887; C. 130. — N. Mex.

1923. **disticha** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 217, 1874; SMITH, C. 130. — Tex.

1924. **dilecta** HY. EDWARDS, Pap., iv, 123, 1884; SMITH, C. 154. — Col., Ariz.

ANARTA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 90, 1816.

1925. **etacta** SMITH, Proc. Wash. Acad. Sci., ii, 493, 1900. — Alaska.

*1926. **mimula** GROTE, Trans. Kans. Acad. Sci., viii, 48, 1883; SMITH, C. 295. — N. Mex

*1927. **mimuli** BEHR, Bull. Cal. Acad. Sci., 62, 1885; SMITH, C. 295. — Cal.

*1928. **funebris** HÜBNER, Schmett. Eur., Noct., f. 433, 1804; SMITH, C. 295. — Lab.

1929. **acadiensis** BETHUNE, Trans. Nov. Sc. Ins. Nat. Sci., ii, 84, 1869; SMITH, C. 292. — Nova Scotia.

1930. **cordigera** THUNBERG, Mus. Nat. Acad. Ups., Diss., vi, 72, 1788; SMITH, C. 292. — Can., Lab., Col.
syn. *luteola* GROTE & ROBINSON.

1931. **melanopa** THUNBERG, Diss. Ent., ii, 42, 1791; SMITH, C. 292. — Arctic Am., Col.
syn. *nigrolunata* PACKARD.

1932. **melaleuca** THUNBERG, Diss. Ent., ii, 42, 1791; SMITH, C. 292. — Lab.
syn. *bicycla* PACKARD.

1933. **quadrilunata** GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 244, 1874; SMITH, C. 293. — Col.

1934. **schœnherri** ZETTERSTEDT, Ins. Lap., 950, 1840; SMITH, C. 293. — Lab., Greenl.
syn. *leucocycla* STAUDINGER.

1935. **richardsoni** CURTIS, Ross Narr. Second Voy. N.-W. Pass., app., 72, 1834; SMITH, C. 293. — Lab., Alaska.
a. **lanuginosa** SMITH, Proc. Wash. Acad. Sci., ii, 492, 1900.

*1936. **impingens** WALKER, Cat. Brit. Mus., xi, 700, 1857; SMITH, C. 294. — Col.
syn. *nivaria* GROTE, *curta* MORRISON, *perpura* MORRISON.

*1937. **secedens** WALKER, Cat. Brit. Mus., xii, 913, 1857; SMITH, C. 294. — Can.

*1938. **membranacea** MORRISON, Ann. N. Y. Lyc. Nat. Hist., xi, 101, 1875; SMITH, C. 294. — N. H.

*1939. **lapponica** THUNBERG, Diss. Ent., ii, 42, 1792; SMITH, C. 294. — Lab., Greenl.
syn. *amissa* LEFÈBRE.

*1940. **kelloggi** HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 133, 1875; SMITH, C. 295. — Cal.

1941. **zetterstedti** STAUDINGER, Stett. ent. Zeit., 294, 1857; SMITH, C. 295. — Lab., Lapl.

*1942. **quieta** HÜBNER, Schmett. Eur., Noct., 485, 1805; SMITH, C. 295. — Arctic Am.
syn. *constricta* WALKER, *rigida* WALKER.

TRICHOCLEA Grote.

Grote, Pap., iii, 30, 1883; Smith, C. 209.

1943. **edwardsii** Smith, Proc. U. S. Nat. Mus., x, 478, 1887; C. 209. — Cal.

1944. **decepta** Grote, Pap., iii, 30, 1883; Smith, C. 209. — Ariz.

1945. **postica** Smith, Trans. Am. Ent. Soc., xviii, 115, 1891; C. 209. — Cal., Col.

a. **antica** Smith, Trans. Am. Ent. Soc., xviii, 116, 1891; C. 209.

TRICHOPOLIA Grote.

Grote, Pap., iii, 76, 1883.

1946. **serrata** Smith, Proc. U. S. Nat. Mus., xxii, 479, 1900. — Tex.

*1947. **dentatella** Grote, Pap., iii, 76, 1883; Smith, C. 164. — Ariz.

1948. **ptilodonta** Grote, Pap., iii, 77, 1883; Smith, C. 164. — Ariz.

EUPOLIA Smith.

Smith, Trans. Am. Ent. Soc., xxi, 69, 1894.

1949. **licentiosa** Smith, Trans. Am. Ent. Soc., xxi, 70, 1894. — Utah.

NEPHELODES Guenée.

Guenée, Spec. Gén., v, 130, 1852.

1950. **minians** Guenée, Spec. Gén., v, 130, 1852; Smith, C. 172. — Atl. States.

syn. *expansa* Walker, *sobria* Walker.

a. **violans** Guenée, Spec. Gén., v, 130, 1852.

syn. *subdolens* Walker.

1951. **pectinatus** Smith, Can. Ent., xxxii, 221, 1900. — B. C.

HELIOPHILA Hübner.

Hübner, Tent., 1806; *Leucania* Ochsenheimer, Schmett. Eur., iv, 81, 1816; Smith, Proc. U. S. Nat. Mus., xxv, 159, 1902.

*1952. **lutina** Smith, Proc. U. S. Nat. Mus., xxv, 176, 1902. — Fla.

syn. *velutina* Smith (not Eversmann), Proc. U. S. Nat. Mus., xxii, 480, 1900.

1953. **unipuncta** Haworth, Lep. Brit., ii, 177, 1810; Smith, C. 189. — Atl. States.

syn. *extranea* Guenée.

1954. **pseudargyria** GUENÉE, Spec. Gén., v, 74, 1852; SMITH, C. 189. *a.* **callida** GROTE, New Check List, 30, 1882.	Atl. States.
*1955. **pilipalpis** GROTE, Proc. Bost. Soc. Nat. Hist., xviii, 415, 1875; SMITH, C. 189.	Fla.
1956. **subpunctata** HARVEY, Bull. Buff. Soc., iii, 8, 1875; SMITH, C. 189. syn. *complicata* STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898.	Tex., N. Mex.
1957. **luteopallens** SMITH, Proc. U. S. Nat. Mus., xxv, 180, 1902.	Atl. States.
1958. **minorata** SMITH, Trans. Am. Ent. Soc., xxi, 75, 1894.	Cal., Oreg.
1959. **oxygale** GROTE, Can. Ent., xiii, 14, 1881; SMITH, C. 185.	Col.
1960. **rubripallens** SMITH, Proc. U. S. Nat. Mus., xxv, 182, 1902.	Col., Utah.
*1961. **pertracta** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 120, 1875; SMITH, C. 186.	Pa.
1962. **rubripennis** GROTE & ROBINSON, Trans. Am. Ent. Soc., iii, 179, 1870; SMITH, C. 186.	So. States.
1963. **albilinea** HÜBNER, Samml. exot. Schmett., f. 337, 1816; SMITH, C. 186. syn. *harveyi* GROTE.	Atl. States.
1964. **obscurior** SMITH, Proc. U. S. Nat. Mus., xxv, 185, 1902.	Man.
1965. **diffusa** WALKER, Cat. Brit. Mus., ix, 94, 1856; SMITH, C. 186. syn. *moderata* WALKER.	Atl. States.
*1966. **limitata** SMITH, Proc. U. S. Nat. Mus., xxv, 187, 1902.	Tex.
1967. **tetra** SMITH, Proc. U. S. Nat. Mus., xxv, 187, 1902.	Ariz.
1968. **neptis** SMITH, Proc. U. S. Nat. Mus., xxv, 188, 1902.	Col.
1969. **ligata** GROTE, Trans. Am. Ent. Soc., v, 115, 1875; SMITH, C. 187.	Tex., Col., Fla.
*1970. **flabilis** GROTE, Can. Ent., xiii, 15, 1881; SMITH, C. 189.	N. Y.
1971. **rimosa** GROTE, Can. Ent., xiv, 216, 1882; SMITH, C. 189.	Me.
1972. **dia** GROTE, Can. Ent., xi, 29, 1879; SMITH, C. 187.	Cal.

1973. **megadia** SMITH, Proc. U. S. Nat. Mus., xxv, 191, 1902. — Pac. States, Ariz.

1974. **heterodoxa** SMITH, Trans. Am. Ent. Soc., xxi, 75, 1894. — Cal., B. C., Minn.

1975. **insueta** GUENÉE, Spec. Gén., v, 81, 1852; SMITH, C. 188. — Atl. States, Col.

syn. *adonea* GROTE, *mimica* STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1899.

1976. **extincta** GUENÉE, Spec. Gén., v, 79, 1852; SMITH, C. 187. — Atl. States.

syn. *linita* GUENÉE, *scirpicola* GUENÉE, *amygdalina* HARVEY.

1977. **juncicola** GUENÉE, Spec. Gén., v, 83, 1852; SMITH, C. 188. — Ala., Tex.

syn. *adjuta* GROTE.

1978. **multilinea** WALKER, Cat. Brit. Mus., ix, 97, 1856; SMITH, C. 187. — Atl. States.

syn. *lapidaria* GROTE.

1979. **commoides** GUENÉE, Spec. Gén., v, 86, 1852; SMITH, C. 188. — Atl. States, Col.

1980. **phragmitidicola** GUENÉE, Spec. Gén., v, 89, 1852; SMITH, C. 187. — Atl. States, Col.

a. **texana** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 211, 1874.

1981. **imperfecta** SMITH, Trans. Am. Ent. Soc., xxi, 76, 1894. — Ariz.

1982. **anteroclara** SMITH, Proc. U. S. Nat. Mus., xxv, 200, 1902. — Alberta.

1983. **calgariana** SMITH, Proc. U. S. Nat. Mus., xxv, 201, 1902. — Alberta.

*1984. **stolata** SMITH, Trans. Am. Ent. Soc., xxi, 76, 1894. — Ariz.

*1985. **oregona** SMITH, Proc. U. S. Nat. Mus., xxv, 202, 1902. — Oreg.

1986. **roseola** SMITH, Trans. Am. Ent. Soc., xxi, 75, 1894. — B. C.

1987. **farcta** GROTE, Can. Ent., xiii, 15, 1881; SMITH, C. 188. — Cal.

1988. **palliseca** SMITH, Proc. U. S. Nat. Mus., xxv, 203, 1902. — Cal., Col.

NELEUCANIA Smith.

SMITH, Proc. U. S. Nat. Mus., xxv, 203, 1902.

1989. **niveicosta** SMITH, Proc. U. S. Nat. Mus., xxv, 205, 1902. — Col.

1990. **bicolorata** GROTE, Pap., i, 154, 1881; SMITH, C. 186. — Ariz., Col.

1991. **citronella** SMITH, Proc. U. S. Nat. Mus., xxv, 206, 1902. — Col.

1992. **patricia** GROTE, Bull. Brook. Ent. Soc., iii, 46, 1880; SMITH, C. 186. — Col., N. Mex.

*1993. **prægracilis** GROTE, Bull. Geol. Surv. Terr., iii, 119, 1877; SMITH, C. 185. — Rocky Mts.

ZOSTEROPODA Grote.

GROTE, Bull. Buff. Soc., ii, 67, 1874.

1994. **hirtipes** GROTE, Bull. Buff. Soc., ii, 68, 1874; SMITH, C. 190. — Cal.

TRICHORTHOSIA Grote.

GROTE, Pap., iii, 31, 1883.

*1995. **parallela** GROTE, Pap., iii, 31, 1883; SMITH, C. 210. — N. Mex.

ORTHODES Guenée.

GUENÉE, Spec. Gén., v, 371, 1852.

1996. **crenulata** BUTLER, Ann. Mag. Nat. Hist., (6), vi, 97, 1890; SMITH, C. 198. — Atl. States.

1997. **cynica** GUENÉE, Spec. Gén., v, 375, 1852; SMITH, C. 190. — Atl. States, Col.

syn. *candens* GUENÉE, *tecta* WALKER.

1998. **vecors** GUENÉE, Spec. Gén., v, 376, 1852; SMITH, C. 199. — Atl. States.

syn. *enervis* GUENÉE, *nimia* GUENÉE, *togata* WALKER, *relata* WALKER, *prodeuns* WALKER, *griseocincta* HARVEY, *nitens* GROTE.

1999. **virgula** GROTE, Pap., iii, 76, 1883; SMITH, C. 200. — Ariz., Col.

2000. **irrorata** SMITH, Proc. U. S. Nat. Mus., x, 478, 1887; C. 200. — Wash., B. C.

2001. **puerilis** GROTE, Bull. Buff. Soc., ii, 64, 1874; SMITH, C. 200. — Cal.

*2002. **agrotiformis** GROTE, Can. Ent., xiii, 14, 1881; SMITH, C. 200. — Col.

*2003. **calceolarius** STRECKER, Lep. Rhop. Het., suppl. 3, 33, 1900. — N. Y.

*2004. **imora** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. — Wis.

*2005. **akalus** STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1899. — Col.

HIMELLA Grote.

GROTE, Proc. Acad. Nat. Sci. Phil., 200, 1874; SMITH, C. 200.

2006. **contrahens** WALKER, Can. Nat. Geol., v, 255, 1860; SMITH, C. 200. — No. Atl. States, Col., N. Mex.
syn. *thecata* MORRISON.

2007. **intractata** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 160, 1874; SMITH, C. 201. — Atl. States.
syn. *fidelis* GROTE.

*2008. **conar** STRECKER, Lep. Rhop. Het., suppl. 1, 7, 1898. — N. Mex., Utah, Ariz.
syn. *quadristigma* SMITH, Proc. U. S. Nat. Mus., xxii, 480, 1900.

CROCIGRAPHA Grote.

GROTE, Can. Ent., vii, 57, 1875; SMITH, C. 201.

2009. **normani** GROTE, Can. Ent., vi, 115, 1874; SMITH, C. 201. — No. Atl. States.

GRAPHIPHORA Hübner.

HÜBNER, Tent., 1806; *Tæniocampa* GUENÉE, Ann. Soc. Ent. Fr., viii, 477, 1839.

2010. **carminata** SMITH, Ent. Amer., vi, 121, 1890; C. 202. — Col.

2011. **trifascia** SMITH, Trans. Am. Ent. Soc., xviii, 118, 1891; C. 202. — Col.

2012. **culea** GUENÉE, Spec. Gén., v, 404, 1852; SMITH, C. 202. — Atl. States.
syn. *modifica* MORRISON.

2013. **consopita** GROTE, Pap., i, 154, 1881; SMITH, C. 202. — Ariz.

2014. **rufula** GROTE, Bull. Buff. Soc., ii, 64, 1874; SMITH, C. 203. — Cal., Col.

2015. **oviducta** GUENÉE, Spec. Gén., v, 357, 1852; SMITH, C. 203. — Atl. States.
syn. *capsella* GROTE, *orobia* HARVEY.

2016. **utahensis** SMITH, Proc. U. S. Nat. Mus., x, 473, 1887; C. 203. — Utah.

2017. **curtica** SMITH, Ent. Amer., vi, 122, 1890; C. 203. — Cal.

2017. 1. **suffusa** SMITH, Proc. U. S. Nat. Mus., x, 174, 1887; C. 203. — Col., Ariz.

2018.	**incincta** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 133, 156, 1874; SMITH, C. 203.	Mass., Ill., Col.
2019.	**pectinata** SMITH, Proc. U. S. Nat. Mus., x, 475, 1887; C. 204.	Cal.
2020.	**annulimacula** SMITH, Trans. Am. Ent. Soc., xviii, 117, 1891; C. 204.	Tex.
2021.	**uniformis** SMITH, Proc. U. S. Nat. Mus., x, 472, 1887; C. 202.	Ariz.
2022.	**palilis** HARVEY, Bull. Buff. Soc., ii, 273, 1875; SMITH, C. 202.	Tex.
2023.	**columbia** SMITH, Proc. U. S. Nat. Mus., x, 472, 1887; C. 202.	B. C.
2024.	**furfurata** GROTE, Proc. Acad. Nat. Sci. Phil., 201, 1874; SMITH, C. 201.	U. S.
2025.	**perbrunnea** GROTE, Can. Ent., xi, 28, 1879; SMITH, C. 202.	Cal.
2026.	**peredia** GROTE, Pap., iii, 32, 1883; SMITH, C. 201.	No. Atl. States.
*2027.	**perforata** GROTE, Pap., iii, 73, 1883; SMITH, C. 203.	Ariz.
*2028.	**obtusa** SMITH, Proc. U. S. Nat. Mus., x, 474, 1887; C. 204.	Ariz.
*2029.	**terminata** SMITH, Proc. U. S. Nat. Mus., x, 475, 1887; C. 204.	So. Cal.
2030.	**reliqua** SMITH, Jn. N. Y. Ent. Soc., vii, 226, 1899.	Col.
*2031.	**præses** GROTE, Bull. Geol. Surv. Terr., v, 202, 1879; SMITH, C. 206.	Cal.
*2032.	**revicta** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 241, 1875; SMITH, C. 206.	Ill.
2033.	**ferrigera** SMITH, Trans. Am. Ent. Soc., xxi, 78, 1894.	B. C., Oreg.
2034.	**flaviannula** SMITH, Jn. N. Y. Ent. Soc., vii, 225, 1899.	Col.
*2035.	**saturnus** STRECKER, Lep. Rhop. Het., suppl. 3, 31, 1900.	Wis.
*2036.	**subfuscula** GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 244, 1873; SMITH, C. 204.	Oreg., Mont.
*2037.	**arthrolita** HARVEY, Bull. Buff. Soc., ii, 275, 1874; SMITH, C. 204.	Cal.
2038.	**vindemialis** GUENÉE, Spec. Gén., v, 344, 1852; SMITH, C. 205.	Fla.?

2039. **pacifica** HARVEY, Bull. Buff. Soc., ii, 120, 1874; SMITH, C. 205. — Col., Cal.

2040. **alia** GUENÉE, Spec. Gén., v, 352, 1852; SMITH, C. 205. — Atl. States.

syn. *instabilis* FITCH, *insciens* WALKER.

a. **hibisci** GUENÉE, Spec. Gén., v, 355, 1852.

syn. *confluens* MORRISON.

*2041. **alurina** SMITH, Jn. N. Y. Ent. Soc., x, 47, 1902. — Atl. States.

2042. **rubrescens** WALKER, Cat. Brit. Mus., xxxii, 671, 1865; SMITH, C. 206. — No. Atl. States.

syn. *venata* SMITH.

2043. **subterminata** SMITH, Proc. U. S. Nat. Mus., x, 476, 1887; C. 206. — No. Atl. States.

*2044. **garmani** GROTE, Can. Ent., xi, 28, 1879; SMITH, C. 206. — Ill., Iowa.

*2045. **styracis** GUENÉE, Spec. Gén., v, 357, 1852; SMITH, C. 206. — Ga.

*2046. **planalis** GROTE, Ann. Mag. Nat. Hist., (5), xi, 53, 1883; SMITH, C. 206. — N. Mex.

STRETCHIA Hy. Edwards.

HY. EDWARDS, Proc. Cal. Acad. Sci., v, 267, 1874; *Acerra* GROTE.

2047. **normalis** GROTE, Bull. Buff. Soc., ii, 162, 1874; SMITH, C. 207. — Cal.

2048. **plusiiformis** HY. EDWARDS, Proc. Cal. Acad. Sci., v, 267, 1874; SMITH, C. 208. — Cal., Col., Nev., Oreg.

syn. *muricina* GROTE, Bull. Buff. Soc., iii, 85, 1875; *inferior* SMITH, Proc. U. S. Nat. Mus., x, 477, 1887.

2049. **behrensiana** GROTE, Can. Ent., vii, 71, 1875; SMITH, C. 208. — Cal.

2050. **variabilis** SMITH, Trans. Am. Ent. Soc., xviii, 119, 1891; C. 208. — Col.

2051. **addenda** SMITH, Ent. Amer., vi, 122, 1890; C. 208; Jn. N. Y. Ent. Soc., vii, 225, 1899. — Cal.

*2052. **pulchella** HARVEY, Can. Ent., viii, 54, 1876; SMITH, C. 208; Jn. N. Y. Ent. Soc., vii, 225, 1899. — Cal.

2053. **erythrolita** GROTE, Can. Ent., xi, 208, 1879; SMITH, C. 208. — Cal.

2054. **transparens** GROTE, Bull. Geol. Surv. Terr., vi, 583, 1881; SMITH, C. 208. — Wash., Cal.

syn. *hamifera* GROTE, Can. Ent., xx, 130, 1888; SMITH, C. 218.

2055. **mys** DYAR (fore wings dark purple-brown, slightly hoary, unspotted; hind wings whitish, rosy tinged at the edges). — Cal.

PERIGONICA Smith.

SMITH, Ent. Amer., vi, 123, 1890.

2056. **angulata** SMITH, Ent. Amer., vi, 124, 1890; C. 209. — Cal.

2057. **tertia** DYAR (markings of *angulata*, antennæ of *fulminans*). — Cal., Oreg.

2058. **fulminans** SMITH, Ent. Amer., vi, 124, 1890; C. 209. — Col.

PERIGRAPHA Lederer.

LEDERER, Noct. Eur., 136, 1857.

*2059. **prima** SMITH, Trans. Am. Ent. Soc., xviii, 119, 1891; C. 209. — Cal.

TRICHOLITA Grote.

GROTE, Bull. Buff. Soc., ii, 211, 215, 1875.

2060. **signata** WALKER, Can. Nat. Geol., v, 253, 1860; SMITH, C. 172. — No. Atl. States.

syn. *semiaperta* MORRISON.

2061. **fistula** HARVEY, Can. Ent., x, 56, 1878; SMITH, C. 173. — Cal., Ariz., Col.

2062. **inconspicua** GROTE, Can. Ent., xv, 129, 1883; SMITH, C. 173. — Ariz.

*2063. **notata** STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898. — Neb.

*2064. **syrissa** STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1899. — Ill.

COBALIODES Dyar.

Cobalos SMITH (not *Cobalus* HÜBNER), Jn. N. Y. Ent. Soc., vii, 223, 1899.

2065. **franciscanus** SMITH, Jn. N. Y. Ent. Soc., vii, 224, 1899. — Cal.

2066. **angelicus** SMITH, Jn. N. Y. Ent. Soc., vii, 223, 1899. — Cal.

CLEOCERIS Boisduval.

BOISDUVAL, Ind. Méth., 93, 1829.

2067. **populi** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898. — Col.

*2068. **onychina** Guenée, Spec. Gén., vi, 48, 1852; Smith, C. 215. — No. Am.

2069. **elda** French, Can. Ent., xix, 5, 1887; Smith, C. 215. — Cal.

2070. **rectifascia** Smith, Trans. Am. Ent. Soc., xviii, 109, 1891; C. 215. — Cal.

2071. **curvifascia** Smith, Trans. Am. Ent. Soc., xviii, 109, 1891; C. 215. — Cal.

APOROPHILA Guenée.

Guenée, Ind. Méth., Ann. Soc. Ent. Fr., x, 246, 1841.

*2072. **yosemitæ** Grote, Bull. Buff. Soc., i, 113, 1873; Smith, C. 163. — Cal.

PLEROMA Smith.

Smith, Trans. Am. Ent. Soc., xviii, 114, 1891.

2073. **obliquata** Smith, Trans. Am. Ent. Soc., xviii, 114, 1891; C. 235. — Col., Cal.

2074. **bonuscula** Smith, Can. Ent., xxx, 325, 1898. — Col.

*2075. **conserta** Grote, Pap., i, 58, 1881; Smith, C. 235. — Wash.

*2076. **apposita** Smith, Trans. Am. Ent. Soc., xxi, 81, 1894. — B. C.

LITHOMOIA Hübner.

Hübner, Verz. bek. Schmett., 244, 1816.

2077. **germana** Morrison, Bull. Buff. Soc., ii, 192, 1874; Smith, C. 235. — No. Atl. States.

XYLINA Ochsenheimer.

Ochsenheimer, Schmett. Eur., iv, 85, 1816; Smith, Trans. Am. Ent. Soc., xxvii, 1, 1900; *Lithophane* Hübner, Verz. bek. Schmett., 242, 1816.

2078. **disposita** Morrison, Bull. Buff. Soc., ii, 116, 1874; Smith, C. 227. — No. Atl. States.

2079. **petulca** Grote, Sixth Rept. Peab. Acad. Sci., 31, 1874; Smith, C. 227. — No. Atl. States.

2080. **contenta** Grote, Can. Ent., xii, 216, 1880; Smith, C. 224. — Cal., Wash.

syn. *pomona* Smith, Jn. N. Y. Ent. Soc., vii, 230, 1899.

2081. **puella** Smith, Trans. Am. Ent. Soc., xxvii, 30, 1900. — Cal.

*2082. **dentilinea** Smith, Jn. N. Y. Ent. Soc., vii, 229, 1899. — Ariz., Col.

2083.	**longior** SMITH, Jn. N. Y. Ent. Soc., vii, 230, 1899.	Col.
2084.	**torrida** SMITH, Jn. N. Y. Ent. Soc., vii, 228, 1899.	Pac. States.
2085.	**itata** SMITH, Jn. N. Y. Ent. Soc., vii, 231, 1899.	Col.
*2086.	**hemina** GROTE, Bull. Geol. Surv. Terr., v, 202, 1879; SMITH, C. 227.	No. Atl. States.
*2087.	**gausapata** GROTE, Pap., iii, 77, 1883; SMITH, C. 227.	Cal.
2088.	**dilatocula** SMITH, Trans. Am. Ent. Soc., xxvii, 42, 1900.	Wash., Cal.
*2089.	**patefacta** WALKER, Cat. Brit. Mus., xiv, 1733, 1858; SMITH, C. 231.	Can.
2090.	**antennata** WALKER, Cat. Brit. Mus., xiv, 1733, 1858; SMITH, C. 228. syn. *cinerea* RILEY.	Atl. States.
2091.	**laticinerea** GROTE, Bull. Buff. Soc., ii, 27, 1874; SMITH, C. 229.	Atl. States.
2092.	**grotei** RILEY, Pap., ii, 102, 1882; SMITH, C. 229. syn. *cinerosa* GROTE (not GUENÉE). *a.* **winnipeg** SMITH, Trans. Am. Ent. Soc., xxvii, 31, 1900.	Atl. States.
2093.	**ferrealis** GROTE, Sixth Rept. Peab. Acad. Sci., 32, 1874; SMITH, C. 227.	Atl. States.
2094.	**signosa** WALKER, Cat. Brit. Mus., xi, 627, 1857; SMITH, C. 227.	No. Atl. States.
2095.	**innominata** SMITH, C. 227.	No. Atl. States, Col.
2096.	**amanda** SMITH, Trans. Am. Ent. Soc., xxvii, 24, 1900.	No. U. S.
2097.	**bethunei** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 354, 1868; SMITH, C. 227.	No. Atl. States.
2098.	**oriunda** GROTE, Bull. Buff. Soc., ii, 160, 1874; SMITH, C. 224.	Can., Wis.
2099.	**semiusta** GROTE, Sixth Rept. Peab. Acad. Sci., 24, 1874; SMITH, C. 228.	No. Atl. States.
2100.	**fagina** MORRISON, Bull. Buff. Soc., ii, 115, 1874; SMITH, C. 228.	Mass., N. Y.
*2101.	**oregonensis** HARVEY, Can. Ent., viii, 55, 1876; SMITH, C. 228.	Oreg., Cal., Col.
2102.	**georgii** GROTE, Can. Ent., vii, 88, 1875; SMITH, C. 228.	No. Atl. States.

2103. **holocinerea** SMITH, Trans. Am. Ent. Soc., xxvii, 28, 1900. — Pac. States.

2104. **emarginata** SMITH, Trans. Am. Ent. Soc., xxvii, 28, 1900. — Col.

*2105. **viridipallens** GROTE, Can. Ent., ix, 215, 1877; SMITH, C. 229. — Mass., N. Y.

2106. **unimoda** LINTNER, Ent. Cont., iv, 96, 1878; SMITH, C. 229. — No. Atl. States.

2107. **tepida** GROTE, Bull. Buff. Soc., ii, 27, 1874; SMITH, C. 229. — No. Atl. States.

2108. **baileyi** GROTE, Can. Ent., ix, 86, 1877; SMITH, C. 229. — N. Y.

2109. **querquera** GROTE, Sixth Rept. Peab. Acad. Sci., 34, 1874; SMITH, C. 229. — Mo., N. Y.

2110. **lepida** LINTNER, Ent. Cont., iv, 95, 1878; SMITH, C. 230. — No. Atl. States.

2111. **thaxteri** GROTE, Bull. Buff. Soc., ii, 196, 1874; SMITH, C. 230. — No. Atl. States.

2112. **pexata** GROTE, Sixth Rept. Peab. Acad. Sci., 35, 1874; SMITH, C. 230. — No. Atl. States,
a. **washingtonia** GROTE, Pap., iii, 74, 1883. — Wash.

2113. **capax** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 355, 1868; SMITH, C. 230. — No. Atl. States, Col.

EUHARVEYA Grote.

GROTE, Can. Ent., xxvi, 81, 1894.

2114. **carbonaria** HARVEY, Can. Ent., viii, 55, 1876; SMITH, C. 230. — Oreg., Cal., Col.

LITHOLOMIA Grote.

GROTE, Can. Ent., vii, 206, 1875.

2115. **napæa** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 152, 1874; SMITH, C. 226. — No. Atl. States, Col., Cal.

2116. **dunbari** HARVEY, Can. Ent., viii, 52, 1876; SMITH, C. 226. — B. C.

CALOCAMPA Stephens.

STEPHENS, Ill. Brit. Ent. Haust., ii, 174, 1829.

2117. **brucei** SMITH, Ent. News, iii, 252, 1892; Trans. Am. Ent. Soc., xxi, 82, 1894. — Col.

2118. **nupera** LINTNER, Bull. Buff. Soc., ii, 188, 1874; SMITH, C. 235. — Atl. States.

2119. **thoracica** PUTNAM-CRAMER, Ent. Amer., ii, 142, 1886; SMITH, C. 236. — No. U. S.

2120. **cineritia** GROTE, Proc. Acad. Nat. Sci. Phil., 210, 1874; SMITH, C. 236. — No. Atl. States.

2121. **curvimacula** MORRISON, Bull. Buff. Soc., ii, 191, 1874; SMITH, C. 236. — No. U. S.

*2121. 1. **brillians** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 78, 1902. — Me., N. H.

CUCULLIA Schrank.

SCHRANK, Faun. Boica, ii, 157, 1802.

2122. **convexipennis** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 201, 1868; SMITH, C. 236. — Atl. States.

2123. **montanæ** GROTE, Can. Ent., xv, 178, 1882; SMITH, C. 237. — Col., Mont.

2124. **similaris** SMITH, Proc. U. S. Nat. Mus., xv, 40, 1892; C. 237. — Col.

2125. **obscurior** SMITH, Proc. U. S. Nat. Mus., xv, 40, 1892; C. 237. — Col.

2126. **postera** GUENÉE, Spec. Gén., vi, 133, 1852; SMITH, C. 237. — Atl. States.

2127. **asteroides** GUENÉE, Spec. Gén., vi, 133, 1852; SMITH, C. 237. — Atl. States.

2128. **florea** GUENÉE, Spec. Gén., vi, 133, 1852; SMITH, C. 237. — Atl. States.

2129. **lætifica** LINTNER, Grote, Check List Noct., 24, 1875; SMITH, C. 237. — Tex., Ariz.

syn. *cita* GROTE, *hartmanni* FRENCH.

2130. **dorsalis** SMITH, Proc. U. S. Nat. Mus., xv, 46, 1892; C. 238. — Col.

2131. **speyeri** LINTNER, Ent. Cont., iii, 168, 1874; SMITH, C. 238. — Col.

2132. **intermedia** SPEYER, Stett. ent. Zeit., xxxi, 400, 1870; SMITH, C. 238. — Atl. States.

2133. **cinderella** SMITH, Proc. U. S. Nat. Mus., xv, 48, 1892; C. 238. — Col.

2134. **serraticornis** LINTNER, Ent. Cont., iii, 174, 1874; SMITH, C. 238. — Cal.

2135. **bistriga** SMITH, Proc. U. S. Nat. Mus., xv, 47, 1892; C. 238. — Col.

2136. **albida** SMITH, Trans. Am. Ent. Soc., xxi, 84, 1894. — Col.

COPICUCULLIA Smith.

SMITH, Trans Am. Ent. Soc., xxi, 84, 1894.

*2137. **eulepis** GROTE, Bull. Buff. Soc., iii, 86, 1875; SMITH, C. 236. — Oreg., Cal.

2138. **antipoda** STRECKER, Lep. Rhop. Het., 129, 1875; SMITH, C. 236. — Col., Ariz.

*2139. **alfarata** STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898. — Fla.

2140. **astigma** SMITH, Trans. Am. Ent. Soc., xxi, 85, 1894. — Col.

2141. **propinqua** SMITH, Trans. Am. Ent. Soc., xxi, 85, 1894. — Col.

RANCORA Smith.

SMITH, Trans. Am. Ent. Soc., xxi, 83, 1894.

2142. **solidaginis** BEHR, Strecker, Lep. Rhop. Het., 94, 1874; SMITH, C. 239. — Cal., B. C.

syn. *strigata* SMITH, Trans. Am. Ent. Soc., xxi, 83, 1894.

*2143. **matricaria** BEHR, Strecker, Lep. Rhop. Het., 94, 1874. — Cal.

LATHOSEA Grote.

GROTE, Bull. Geol. Surv. Terr., vi, 270, 1882.

2144. **pullata** GROTE, Bull Geol. Surv. Terr., vi, 270, 1882; SMITH, C. 163. — Oreg., Col.

2145. **ursina** SMITH, Can. Ent., xxxi, 324, 1898. — Col.

ASTEROSCOPUS Boisduval.

BOISDUVAL, Ind. Méth., 59, 1829.

2146. **borealis** SMITH, Can. Ent., xxxi, 25, 1899. — Man.

BELLURA Walker.

WALKER, Cat. Brit. Mus., xxxii, 465, 1865; *Arzama* WALKER.

2147. **gortynides** WALKER, Cat. Brit. Mus., xxxii, 465, 1865; SMITH, C. 181. — Atl. States.

syn. *densa* WALKER, *vulnifica* GROTE, *melanopyga* GROTE.

2148. **diffusa** GROTE, Bull. Geol. Surv. Terr., iv, 179, 1878; SMITH, C. 181. — Can., Me.

SPHIDA Grote.

GROTE, Bull. Geol. Surv. Terr., iv, 179, 1878.

2149. **obliqua** WALKER. Cat. Brit. Mus., xxxii, 428, 1865; SMITH, C. 181. — Atl. States.
syn. *obliquata* GROTE & ROBINSON.

NONAGRIA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 82, 1816.

2150. **permagna** GROTE, Pap., iii, 73, 1883; SMITH, C. 182. — Fla.

2151. **subflava** GROTE, Pap., ii, 95, 1882; SMITH, C. 182. — Ill., Mass., Me.

*2152. **oblonga** GROTE, Pap., ii, 96, 1882; SMITH, C. 182. — Me.

2153. **subcarnea** KELLICOTT, Can. Ent., xv, 175, 1883; SMITH, C. 182. — N. Y.

*2154. **læta** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 120, 1875; SMITH, C. 182. — N. J.

*2155. **inquinata** GUENÉE, Spec. Gén., v, 104, 1852; SMITH, C. 183. — N. Y.

OMMATOSTOLA Grote.

GROTE, Bull. Buff. Soc., ii, 112, 1873.

2156. **lintneri** GROTE, Bull. Buff. Soc., ii, 112, 1873; SMITH, C. 185. — N. Y., N. J.

2157. **popofensis** SMITH, Proc. Wash. Acad. Sci., ii, 492, 1900. — Alaska.

ACHATODES Guenée.

GUENÉE, Spec. Gén., v, 132, 1852.

2158. **zeæ** HARRIS, Ins. Inj. Veg., 319, 1841; SMITH, C. 179. — No. Atl. States.

GORTYNA Ochsenheimer.

OCHSENHEIMER, Schmett., Eur., iv, 82, 1816.

2159. **albilunata** SMITH, Trans. Am. Ent. Soc., xxvi, 14, 1899. — Cal.
syn. *lunata* SMITH (not FREYER), Trans. Am. Ent. Soc., xviii, 110, 1891.

*2160. **u-album** GUENÉE, Spec. Gén., v, 345, 1852; SMITH, C. 174; Trans. Am. Ent. Soc., xxvi, 15, 1899. — No. Atl. States.
syn. *purpuripennis* GROTE, *baliola* MORRISON.

2161. **velata** WALKER, Cat. Brit. Mus., xxxii, 671, 1865; SMITH, C. 174; Trans. Am. Ent. Soc., xxvi, 20, 1899. — Atl. States.

syn. *sera* GROTE & ROBINSON.

2162. **nictitans** BORKHAUSEN, Naturg. Europ. Schmett., iv, 463, 1792; SMITH, C. 174. — Atl. States.

syn. *erythrostigma* HAWORTH, *lucens* FREYER.

a. **americana** SPEYER, Stett. ent. Zeit., xxxvi, 152, 1875. — Cal.

syn. *atlantica* SMITH, Trans. Am. Ent. Soc., xxvi, 18, 1899.

b. **pacifica** SMITH, Trans. Am. Ent. Soc., xxvi, 19, 1899.

c. **interoceanica** SMITH, Trans. Am. Ent. Soc., xxvi, 17, 1899.

*2163. **erepta** GROTE, Bull. Geol. Surv. Terr., vi, 267, 1881; SMITH, C. 175. — Kans.

2164. **juvenilis** GROTE, Bull. Geol. Surv. Terr., vi, 267, 1881; SMITH, C. 174; Trans. Am. Ent. Soc., xxvi, 20, 1899. — Col., Kans.

2165. **immanis** GUENÉE, Spec. Gén., v, 128, 1852; SMITH, C. 175; Trans. Am. Ent. Soc., xxvi, 21, 1899. — No. U. S.

*2166. **stramentosa** GUENÉE, Spec. Gén., v, 129, 1852; SMITH, C. 175; Trans. Am. Ent. Soc., xxvi, 22, 1899. — No. Atl. States.

2167. **obliqua** HARVEY, Can. Ent., viii, 53, 1876; SMITH, C. 175; Trans. Am. Ent. Soc., xxvi, 23, 1899. — Atl. States.

2168. **medialis** SMITH, Trans. Am. Ent. Soc., xxi, 74, 1894; xxvi, 24, 1899. — No. Pac. States, Col.

syn. *pallescens* SMITH, Trans. Am. Ent. Soc., xxvi, 25, 1899.

2169. **senilis** SMITH, Trans. Am. Ent. Soc., xxi, 73, 1894; xxvi, 25, 1899. — Col.

2170. **serrata** GROTE, No. Am. Ent., i, 94, 1880; SMITH, C. 179; Trans. Am. Ent. Soc., xxvi, 26, 1899. — Col.

PAPAIPEMA Smith.

SMITH, Trans. Am. Ent. Soc., xxvi, 2, 1899.

2171. **cerina** GROTE, Proc. Acad. Nat. Sci. Phil., 200, 1874; SMITH, C. 176. — Kans., Me.

2172. **inquæsita** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 344, 1868; SMITH, C. 176. — No. Atl. States.

2173. **speciosissima** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 342, 1868; SMITH, C. 177; Trans. Am. Ent. Soc., xxvi, 29, 1899. — No. Atl. States.

2174. **rigida** GROTE, Can. Ent., ix, 87, 1877; SMITH, C. 176. — No. Atl. States.

2175. **harrisii** GROTE, Bull. Geol. Surv. Terr., vi, 268, 276, 1882; SMITH, C. 177. — No. Atl. States.

2176. **verona** SMITH, Trans. Am. Ent. Soc., xxvi, 32, 1899. — Man.

2177. **baptisiæ** BIRD, Can. Ent., xxxiv, 109, 1902. — Atl. States.

2178. **purpurifascia** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 341, 1868; SMITH, C. 176. — Atl. States.

2179. **nitela** GUENÉE, Spec. Gén., v, 124, 1852; SMITH, C. 178. — Atl. States.

a. **nebris** GUENÉE, Spec. Gén., v, 124, 1852.

2180. **nelita** STRECKER, Lep. Rhop. Het., suppl. 1, 8, 1898; SMITH, Trans. Am. Ent. Soc., xxvi, 35, 1899. — No. Atl. States.

syn. *ærata* LYMAN, Can. Ent., xxxiii, 319, 1901.

2181. **necopina** GROTE, Can. Ent., viii, 25, 1876; SMITH, C. 179. — N. Y.

2182. **limpida** GUENÉE, Spec. Gén., v, 124, 1852; SMITH, C. 178. — No. Atl. States.

2183. **cerussata** GROTE & ROBINSON, Proc. Ent. Soc. Phil., ii, 431, 1864; SMITH, C. 178. — No. Atl. States.

2184. **frigida** SMITH, Trans. Am. Ent. Soc., xxvi, 39, 1899. — Man.

2185. **unimoda** SMITH, Trans. Am. Ent. Soc., xxi, 73, 1894; xxvi, 39, 1899. — Col.

2186. **angelica** SMITH, Trans. Am. Ent. Soc., xxvi, 40, 1899. — Cal.

2187. **cataphracta** GROTE, Proc. Acad. Nat. Sci. Phil., 81, 1864; SMITH, C. 176. — No. Atl. States.

2188. **impecuniosa** GROTE, Bull. Geol. Surv. Terr., vi, 267, 1882; SMITH, C. 176. — Mass., N. Y.

2189. **circumlucens** SMITH, Trans. Am. Ent. Soc., xxvi, 43, 1899. — Atl. States.

2189. 1. **duovata** BIRD, Can. Ent., xxxiv, 115, 1902. — N. Y.

2190. **rutila** GUENÉE, Spec. Gén., v, 123, 1852; SMITH, C. 177. — Atl. States.

*2190. 1. **insulidens** BIRD, Can. Ent., xxxiv, 112, 1902. — B. C.

2191. **appassionata** HARVEY, Can. Ent., viii, 155, 1876; SMITH, C. 178. — Can.

2192. **marginidens** GUENÉE, Spec. Gén., v, 123, 1852; SMITH, C. 177. — No. Atl. States.

2193. **furcata** SMITH, Trans. Am. Ent. Soc., xxvi, 46, 1899. — Atl. States.

*2194. **latia** STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1899. — Ill.

OCHRIA Hübner.

HÜBNER, Verz. bek. Schmett., 233, 1816.

2195. **sauzælitæ** GROTE, Bull. Buff. Soc., ii, 216, 1875; SMITH, C. 179. — Cal.

*2196. **buffaloensis** GROTE, Can. Ent., ix, 88, 1877; SMITH, C. 179. — N. Y.

PYRRHIA Hübner.

HÜBNER, Verz. bek. Schmett., 262, 1816.

2197. **umbra** HÜFNAGEL, Berl. Mag., iii, 294, 1767; SMITH, C. 216. — Atl. States, Col.

a. **exprimens** WALKER, Cat. Brit. Mus., xi, 687, 1857.

syn. *angulata* GROTE.

*2198. **stilla** GROTE, No. Am. Ent., i, 45, 1880; SMITH, C. 216. — Rocky Mts.

XANTHIA Hübner.

HÜBNER, Tent., 1806.

2199. **flavago** FABRICIUS, Mant. Ins., 160, 1787; SMITH, C. 223. — No. Atl. States, Eur.

syn. *togata* ESPER, *silago* HÜBNER.

2200. **pulchella** SMITH, Can. Ent., xxxii, 223, 1900. — B. C.

*2201. **puta** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 347, 1868; SMITH, C. 223. — No. Atl. States.

JODIA Hübner.

HÜBNER, Verz. bek. Schmett., 234, 1816.

2202. **rufago** HÜBNER, Zutr. exot. Schmett., f. 61, 1818; SMITH, C. 223. — Atl. States.

syn. *honesta* WALKER.

BROTOLOMIA Lederer.

LEDERER, Noct. Eur., ii, 64, 1852; *Mesolomia* SMITH, C. 171.

2203. **iris** GUENÉE, Spec. Gén., vi, 64, 1852; SMITH, C. 171. — No. Atl. States.

TRIGONOPHORA Hübner.

Hübner, Verz. bek. Schmett., 217, 1816.

2204. **periculosa** Guenée, Spec. Gén., vi, 65, 1852; Smith, C. 171. — No. Atl. States, Col.

a. **v-brunneum** Grote, Check List Noct., 23, 1875.

CONSERVULA Grote.

Grote, Check List Noct., 11, 1875.

2205. **anodonta** Guenée, Spec. Gén., vi, 63, 1852; Smith, C. 170. — No. Atl. States.

EUCIRRŒDIA Grote.

Grote, Can. Ent., vii, 206, 1875.

2206. **pampina** Guenée, Spec. Gén., v, 402, 1852; Smith, C. 224. — No. Atl. States.

SCOLIOPTERYX Germar.

Germar, Syst. Gloss. Prod., 14, 1812.

2207. **libatrix** Linnæus, Syst. Nat., 507, 1758; Smith, C. 224. — U. S., Eur.

CHŒPHORA Grote & Robinson.

Grote & Robinson, Trans. Am. Ent. Soc., ii, 199, 1868.

2208. **fungorum** Grote & Robinson, Trans. Am. Ent. Soc., ii, 220, 1868; Smith, C. 211. — Atl. States.

PSEUDORTHOSIA Grote.

Grote, Bull. Buff. Soc., ii, 161, 1874.

2209. **variabilis** Grote, Bull. Buff. Soc., ii, 161, 1874; Smith, C. 211. — Cal., Col.

PSEUDOGLÆA Grote.

Grote, Can. Ent., viii, 18, 1876.

*2210. **blanda** Grote, Bull. Buff. Soc., iii, 86, 1875; Smith, C. 210. — Pac. States, Col., Tex.

syn. *tædata* Grote, *decepta* Grote.

ANCHOCELIS Guenée.

Guenée, Ann. Soc. Ent. Fr., viii, 483, 1839.

2211. **digitalis** Grote, Bull. Geol. Surv. Terr., vi, 584, 1882; Smith, C. 215. — No. Atl. States.

SELICANIS Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 481, 1900.

2212. **cinereola** SMITH, Proc. U. S. Nat. Mus., xxii, 481, 1900. — Col.

TAPINOSTOLA Lederer.

LEDERER, Noct. Eur., 123, 1857.

2213. **orientalis** GROTE, Bull. Geol. Surv. Terr., vi, 583, 1882; SMITH, C. 184. — No. Atl. States.

*2214. **variana** MORRISON, Proc. Acad. Nat. Sci. Phil., 432, 1875; SMITH, C. 184. — Mich.

FAGITANA Walker.

WALKER, Cat. Brit. Mus., xxxii, 645, 1865; *Pseudolimacodes* GROTE.

*2215. **obliqua** SMITH, Jn. N. Y. Ent. Soc., viii, 174, 1900. — Fla.

2216. **littera** GUENÉE, Spec. Gén., v, 71, 1852; SMITH, C. 356. — Atl. States.

syn. *lucidata* WALKER, *nivicostatus* GROTE.

COSMIA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 84, 1816; *Enargia* HÜBNER, Verz. bek. Schmett., 235, 1816.

2217. **paleacea** ESPER, Schmett. Eur., pl. 122, f. 504, 1788; SMITH, C. 214. — U. S., Eur.

syn. *discolor* WALKER, *infumata* GROTE.

2218. **punctirena** SMITH, Can. Ent., xxxii, 222, 1900. — Col.

ORTHOSIA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 79, 1816.

2219. **purpurea** GROTE, Bull. Buff. Soc., ii, 125, 1874; SMITH, C. 217. — Cal.

a. **crispa** HARVEY, Bull. Buff. Soc., ii, 276, 1875.

*2220. **decipiens** GROTE, Bull. Geol. Surv. Terr., vi, 269, 1881; SMITH, C. 217. — Ind.

2221. **ralla** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 346, 1868; SMITH, C. 217. — Atl. States.

2222. **bicolorago** GUENÉE, Spec. Gén., v, 397, 1852; SMITH, C. 218. — Atl. States.

syn. *spurcata* WALKER.

a. **ferruginoides** GUENÉE, Spec. Gén., v, 389, 1852.

2223. **euroa** GROTE & ROBINSON, Trans. Am. Ent. Soc., iv, 431, 1873; SMITH, C. 218. — Atl. States. Col.

2224. **inops** GROTE, Bull Geol. Surv. Terr., vi, 270, 1881; SMITH, C. 218. — Me.

2225. **aurantiago** GUENÉE, Spec. Gén., v, 394, 1852; SMITH, C. 219. — Atl. States.
syn. *illiterata* GROTE, *differta* MORRISON, *illinoisensis* FRENCH.

*2226. **americana** MORRISON, Proc. Acad. Nat. Sci. Phil., 434, 1875; SMITH, C. 219. — N. Y.

*2227. **posticata** HARVEY, Bull. Buff. Soc., iii, 8, 1875; SMITH, C. 219. — Tex.

*2228. **citima** GROTE, Pap., iii, 74, 1883; SMITH, C. 219. — Ariz.

2229. **conradi** GROTE, Bull. Geol. Surv. Terr., v, 203, 1879; SMITH, C. 219. — Atl. States.

2230. **helva** GROTE, Bull. Buff. Soc., ii, 310, 1875; SMITH, C. 219. — Atl. States, Col.

2231. **lutosa** ANDREWS, Can. Ent., ix, 99, 1877; SMITH, C. 220. — Atl. States, Ariz.

*2232. **belangeri** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 149, 1874; SMITH, C. 220. — Can.

*2233. **immaculata** MORRISON, Proc. Acad. Nat. Sci. Phil., xvii, 149, 1874; SMITH, C. 220. — Nev.

*2234. **chlorophora** HÜBNER, Samml. exot. Schmett., i, 1806; SMITH, C. 220. — So. States.

PARASTICHTIS Hübner.

HÜBNER, Verz. bek. Schmett., 212, 1816.

2235. **discivaria** WALKER, Cat. Brit. Mus., ix, 27, 1856; SMITH, C. 217. — No. Atl. States.
syn. *gentilis* GROTE.
a. **perbellis** GROTE, Bull. Buff. Soc., ii, 144, 1874.

SCOPELOSOMA Curtis.

CURTIS, Brit. Ins., xiv, 635, 1838.

2236. **indirecta** WALKER, Cat. Brit. Mus., x, 468, 1857; SMITH, C. 225. — No. Atl. States.
syn. *græfiana* GROTE.

2237. **moffatiana** GROTE, Bull. Geol. Surv. Terr., vi, 538, 1882; SMITH, C. 225. — No. Atl. States.

2238. **pettiti** GROTE, Can. Ent., vii, 188, 1875; SMITH, C. 225. — No. Atl. States.

2239. **ceromatica** GROTE, Bull. Buff. Soc., ii, 70, 1874; SMITH, C. 225. — No. Atl. States.

2240. **tristigmata** GROTE, Can. Ent., ix, 156, 1877; SMITH, C. 225. — No. Atl. States.

2241. **walkeri** GROTE, Proc. Ent. Soc. Phil., ii, 439, 1864; SMITH, C. 225. — Atl. States.

2242. **sidus** GUENÉE, Spec. Gén., v, 386, 1852; SMITH, C. 226. — Atl. States.
syn. *vinulenta* GROTE.

2243. **morrisoni** GROTE, Bull. Buff. Soc., ii, 70, 1874; SMITH, C. 226. — No. Atl. States.

2244. **devia** GROTE, Proc. Acad. Nat. Sci. Phil., 209, 1874; SMITH, C. 226. — No. Atl. States.

ORRHODIA Hübner

HÜBNER, Verz. bek. Schmett., 231, 1816.

2245. **californica** SMITH, Trans. Am. Ent. Soc., xviii, 113, 1891; C. 223. — Cal.

GLÆA Hübner.

HÜBNER, Tent., 1806.

2246. **viatica** GROTE, Sixth Rept. Peab. Acad. Sci., 29, 1874; SMITH, C. 221. — Atl. States.

2247. **inulta** GROTE, Sixth Rept. Peab. Acad. Sci., 30, 1874; SMITH, C. 221. — Atl. States.

2248. **olivata** HARVEY, Bull. Buff. Soc., ii, 120, 1874; SMITH, C. 221. — Cal.

2249. **sericea** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 151, 1874; SMITH, C. 222. — Atl. States.

*2250. **signata** FRENCH, Can. Ent., xi, 76, 1879; SMITH, C. 221. — Atl. States.

EPIGLÆA Grote.

GROTE, Bull. Geol. Surv. Terr., iv, 181, 1878.

2251. **pastillicans** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 151, 1874; SMITH, C. 222. — No. Atl. States.

2252. **tremula** HARVEY, Bull. Buff. Soc., ii, 276, 1874; SMITH, C. 222. — Tex.

*2253. **venustula** GROTE, Can. Ent., vii, 84, 1875; SMITH, C. 222. — Md.

2254. **apiata** GROTE, Sixth Rept. Peab. Acad. Sci., 30, 1874; SMITH, C. 222. — No. Atl. States.

2255. **decliva** GROTE, Sixth Rept. Peab. Acad. Sci., 30, 1874; SMITH, C. 222. — Atl. States.
syn. *deleta* GROTE.

HOMOGLÆA Morrison.

Morrison, Proc. Bost. Soc. Nat. Hist., xviii, 240, 1875.

2256. **hircina** Morrison, Proc. Bost. Soc. Nat. Hist., xviii, 240, 1875; Smith, C. 220. — No. Atl. States.

2257. **carnosa** Grote, Can. Ent., ix, 21, 70, 1877; Smith, C. 220. — No. Atl. States.

MESOGONA Boisduval.

Boisduval, Guenée, Ind. Méth., 144, 1840.

*2258. **oxalina** Hübner, Samml. eur. Schmett., iv, 219, 1823; Smith, C. 211. — N. Y.? Eur.

syn. *interta* Harvey.

CALYMNIA Hübner.

Hübner, Verz. bek. Schmett., 235, 1816.

2259. **orina** Guenée, Spec. Gén., vi, 10, 1852; Smith, C. 212. — U. S.

syn. *canescens* Behr, Bull. Cal. Acad. Sci., iii, 61, 1885; Smith, C. 214.

a. **calami** Harvey, Can. Ent., viii, 54, 1876.

ZOTHECA Grote.

Grote, Bull. Buff. Soc., ii, 68, 1874.

2260. **tranquila** Grote, Bull. Buff. Soc., ii, 69, 1874; Smith, C. 212. — Cal.

syn. *sambuci* Behr.

a. **viridula** Grote, Bull. Geol. Surv. Terr., iv, 180, 1878.

IPIMORPHA Hübner.

Hübner, Verz. bek. Schmett., 238, 1816.

2261. **pleonectusa** Grote, Bull. Buff. Soc., i, 191, 1873; Smith, C. 212. — Atl. States. Col., Utah.

syn. *æquilinea* Smith.

*2262. **subvexa** Grote, Can. Ent., viii, 189, 1876; Smith, C. 212. — Tex., Col.

TRILEUCA Grote.

Grote, Proc. Am. Phil. Soc., xxi, 166, 1883.

*2263. **buxea** Grote, Can. Ent., xiii, 230, 1882; Smith, C. 213. — Tex.

*2264. **dentalis** Smith, Trans. Am. Ent. Soc., xviii, 123, 1891; C. 213. — Tex.

*2265. **gulnare** STRECKER, Proc. Dav. Acad. Sci., ii, 274, 1878; SMITH, C. 213. — Pa., Ill.

ATETHMIA Hübner.

HÜBNER, Verz. bek. Schmett., 238, 1816.

2266. **subusta** HÜBNER, Zutr. exot. Schmett., ii, 205, 1818; SMITH, C. 213. — Fla., Tex., So. Am.

2267. **rectifascia** GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 242, 1874; SMITH, C. 214. — Atl. States.

*2268. **inusta** GUENÉE, Spec. Gén., vi, 12, 1852; SMITH, C. 214. — Fla., Tex.

TRICHOCOSMIA Grote.

GROTE, Can. Ent., xv, 6, 1883.

2269. **inornata** GROTE, Can. Ent., xv, 6, 1883; SMITH, C. 210. — Ariz.

CEA Grote.

GROTE, Pap., iii, 78, 1883.

*2270. **immaculata** GROTE, Pap., iii, 87, 1883; SMITH, C. 214. — Ariz.

TRISTYLA Smith.

SMITH, Ins. Life, v, 332, 1893.

2271. **alboplagiata** SMITH, Ins. Life, v, 332, 1893. — Cal.

ANTAPLAGA Grote.

GROTE, Can. Ent., ix, 71, 1877.

2272. **dimidiata** GROTE, Can. Ent., ix, 71, 1877; SMITH, C. 265. — Col.

*2273. **sexseriata** GROTE, Pap., i, 176, 1882; SMITH, C. 265. — Ariz.

*2274. **biundulata** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 502, 1872; SMITH, C. 265. — Tex.

*2275. **composita** HY. EDWARDS, Pap., iv, 44, 1884; SMITH, C. 266. — Ariz.

*2276. **thoracica** HY. EDWARDS, Pap., iv, 44, 1884; SMITH, C. 265. — Ariz.

2277. **koebelei** RILEY, Ins. Life, v, 333, 1893. — Cal.

GROTELLA Harvey.

HARVEY, Bull. Buff. Soc., ii, 278, 1874.

2278. **septempunctata** HARVEY, Bull. Buff. Soc., ii, 278, 1874; SMITH, C. 266. — Tex., Col.

2279. **dis** GROTE, Ann. Mag. Nat. Hist., (5). XI, 55 1883; SMITH, C. 266. — N. Mex., Ariz.

PIPPONA Harvey.

HARVEY, Bull. Buff. Soc., iii, 9, 1875.

2280. **bimatris** HARVEY, Bull. Buff. Soc., iii, 10, 1875; SMITH, C. 266. — Tex.

BESSULA Grote.

GROTE, Pap., i, 176, 1881.

*2281. **luxa** GROTE Pap., i, 176, 1881; SMITH, C. 266. — N. Mex., Col.

OXYCNEMIS Grote.

GROTE, Can. Ent., xiv, 182, 1882.

2282. **perfundis** SMITH, Trans. Am. Ent. Soc., xxi, 87, 1894. — Tex.

*2283. **advena** GROTE, Can. Ent., xiv, 182, 1882; SMITH, C. 267. — Ariz.

2284. **sectilis** SMITH, Trans. Am. Ent. Soc., xxi, 86, 1894. — Tex.

*2285. **nivalis** SMITH, Trans. Am. Ent. Soc., xxi, 87, 1894. — Tex.

2286. **gracillima** GROTE, Can. Ent., xiii, 231, 1881; SMITH, C. 162. — Ariz.

2287. **fusimacula** SMITH, Jn. N. Y. Ent. Soc., x, 50, 1902. — Cal.

NYCTEROPHÆTA Smith.

SMITH, Bull. Brook. Ent. Soc., iv, 45, 1882; *Epingetis* GROTE.

2288. **luna** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 122, 1875; SMITH, C. 267. — Rocky Mts.

syn. *magdalena* HULST, *notatella* GROTE.

COPABLEPHARON Harvey.

HARVEY, Can. Ent., x, 56, 1878.

*2289. **grandis** STRECKER, Lep. Rhop. Het., 129, 1875; SMITH, C. 267. — Mont.

syn. *subflavidens* GROTE, Can. Ent., xiv, 169, 1882.

2290. **longipenne** GROTE, Can. Ent., xiv, 169, 1882; SMITH, C. 267. — Mont.

2291. **album** HARVEY, Can. Ent., vii, 35, 1876; SMITH, C. 268. — Oreg., Col., Mont.

2292. **absidum** HARVEY, Bull. Buff. Soc., ii, 275, 1874; SMITH, C. 267. — Cal., Rocky Mts.

ÆDOPHRON Lederer.

LEDERER, Noct. Eur., 180, 1857.

*2293. **pallens** TEPPER, Trans. Am. Ent. Soc., x, 215, 1882; SMITH, C. 268. — So. Cal.

THYREION Smith.

SMITH, Trans. Am. Ent. Soc., xviii, 121, 1891.

*2294. **snowi** GROTE, Proc. Acad. Nat. Sci. Phil., 422, 1875; SMITH, C. 268. — Kans.

2295. **rosea** SMITH, Trans. Am. Ent. Soc., xviii, 121, 1891; C. 268. — Col.

CHLORIDEA Westwood.

WESTWOOD, Lib. Nat. Hist., xxxvii, 198, 1841.

2296. **virescens** FABRICIUS, Spec. Ins., ii, 217, 1781; SMITH, C. 268. — U. S.

syn. *rheriæ* SMITH & ABBOT, *spectanda* STRECKER.

*2297. **subflexa** GUENÉE, Spec. Gén., ii, 175, 1852; SMITH, C. 269. — No. Am.

HELIOCHEILUS Grote.

GROTE, Proc. Ent. Soc. Phil., iv, 328, 1865.

2298. **paradoxus** GROTE, Proc. Ent. Soc. Phil., iv, 329, 1865; SMITH, C. 269. — So. Atl. States, Col.

*2299. **albidentina** WALKER, Cat. Brit. Mus., xxxii, 680, 1865; SMITH, C. 269. — Fla.

HELIOTHIS Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 91, 1816.

2300. **armiger** HÜBNER, Samml. eur. Schmett., Noct., 370, 1810; SMITH, C. 270. — U. S.

a. **umbrosus** GROTE, Proc. Ent. Soc. Phil., i, 219, 1863; SMITH, C. 270.

2301. **phlogophagus** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 180, 1868; SMITH, C. 270. — U. S.

syn. *interjacens* GROTE.

a. **luteitinctus** GROTE, Proc. Acad. Nat. Sci. Phil., 426, 1875.

2302. **scutosus** FABRICIUS, Mant. Ins., ii, 142, 1787; SMITH, C. 271. — Rocky Mts.

syn. *nuchalis* GROTE.

2303. **sauvis** Hy. Edwards, Pap., iv, 45, 1884; Smith, C. 271. — Rocky Mts.

DERRIMA Walker.

Walker, Cat. Brit. Mus., xii, 770, 1857.

2304. **stellata** Walker, Cat. Brit. Mus., xxii, 770, 1857; Smith, C. 271. — Atl. States.

a. **henrietta** Grote, Proc. Ent. Soc. Phil., iii, 3, 1864.

CHAMÆCLEA Grote.

Grote, Can. Ent., xv, 76, 1883.

*2305. **pernana** Grote, Pap., i, 155, 1881; Smith, C. 271. — Ariz.

RHODOPHORA Guenée.

Guenée, Spec. Gén., vi, 170, 1852; *Alaria* Westwood (not Schrank), *Oxylos* Grote, Check List Noct., 19, 1875.

2306. **gauræ** Smith & Abbot, Lep. Ins. Ga., ii, 197, 1797; Smith, C. 272. — So. States, Col.

syn. *matutina* Hübner.

2307. **florida** Guenée, Spec. Gén., vi, 171, 1852; Smith, C. 272. — Atl. States.

*2308. **felicitata** Smith, Trans. Am. Ent. Soc., xxi, 80, 1894. — Utah.

2309. **citronellus** Grote & Robinson, Trans. Am. Ent. Soc., iii, 180, 1870; Smith, C. 272. — Tex., Col.

RHODOSEA Grote.

Grote, Can. Ent., xv, 5, 1883.

2310. **julia** Grote, Can. Ent., xv, 5, 1883; Smith, C. 272. — New Mex., Ariz.

RHODODIPSA Grote.

Grote, Bull. Geol. Surv. Terr., iii, 797, 1877.

2311. **volupia** Fitch, Trans. N. Y. Sta. Agr. Soc., 900, 1857; Smith, C. 273. — Col., Tex.

*2312. **miniana** Grote, Pap., i, 175, 1881; Smith, C. 273. — N. Mex.

2313. **masoni** Smith, Ent. News, vii, 284, 1896. — Col.

*2314. **aden** Strecker, Lep. Rhop. Het., suppl. 1, 11, 1898. — Col.

TRIOCNEMIS Grote.

Grote, Pap., i, 77, 1881.

2315. **saporis** Grote, Pap., i, 77, 1881; Smith, C. 273. — Col., Wash., Cal.

PSEUDACONTIA Smith.

Smith, Trans. Am. Ent. Soc., x, 246, 1882.

2316. **crustaria** Morrison, Proc. Acad. Nat. Sci. Phil., 70, 1875; Smith, C. 273. — Neb., Col.

GRÆPERIA Grote.

Grote, Abh. nat. Ver. Brem., xiv, 109, 1895; *Heliodora* Neumoegen (not *Heliodore* Stål), Can. Ent., xxiii, 125, 1891.

*2317. **magnifica** Neumoegen, Can. Ent., xxiii, 125, 1891; Smith, C. 273. — Tex.

PORRIMA Grote.

Grote, Bull. Geol. Surv. Terr., iii, 798, 1877.

2318. **regia** Strecker, Lep. Rhop. Het., 121, 1876; Smith, C. 279. — Kans., Tex., Col.

2319. **sanguinea** Geyer, Zutr. exot. Schmett., f. 613, 1832; Smith, C. 279. — So. States.

syn. *carmosina* Neumoegen.

2320. **gloriosa** Strecker, Lep. Rhop. Het., 132, 1876; Smith, C. 280. — Tex.

TRICHOSELLUS Grote.

Grote, Rev. Check List, 36, 1890.

*2321. **cupes** Grote, Trans. Am. Ent. Soc., v, 113, 1875; Smith, C. 280. — Pac. States, Tex., Col.

syn. *crotchii* Hy. Edwards

EUPANYCHIS Grote.

Grote, Rev. Check List, 34, 1890.

2322. **spinosæ** Guenée, Spec. Gén., vi, 182, 1852; Smith, C. 281. — Atl. States.

syn. *hirtella* Grote & Robinson.

CANIDIA Grote.

Grote, Rev. Check List, 36, 1890.

2323. **scissa** Grote, Proc. Bost. Soc. Nat. Hist., xviii, 451, 1876; Smith, C. 285. — Fla.

SCHINIA Hübner.

Hübner, Verz. bek. Schmett., 281, 1816; Smith, Trans. Am. Ent. Soc., x, 225, 1883.

2324. **chrysellus** Grote, Bull. Buff. Soc., ii, 76, 1874; Smith, C. 274. — Tex., N. Mex., Col.

2325. **lanul** STRECKER, Lep. Rhop. Het., 132, 1877; SMITH, C. 285. — Tex., Cal.
syn. *celaris* GROTE, *ochreifascia* SMITH, C. 274.

*2326. **hulstia** TEPPER, Trans. Am. Ent. Soc., x, 228, 1883; SMITH, C. 274. — Tex., Col.

2327. **aleucis** HARVEY, Can. Ent., vii, 117, 1875; SMITH, C. 275. — Tex.

2328. **cumatilis** GROTE, Proc. Ent. Soc. Phil., iv, 330, 1865; SMITH, C. 275. — Col., N. Mex.

*2329. **tenuescens** GROTE, Can. Ent., xv, 128, 1883; SMITH, C. 275. — Ariz.

*2330. **biundulata** SMITH, Trans. Am. Ent. Soc., xviii, 129, 1891; C. 275. — Col.

2331. **sexplagiata** SMITH, Trans. Am. Ent. Soc., xviii, 124, 1891; C. 275. — Col.
syn. *pyraloides* STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898.

2332. **trifascia** HÜBNER, Zutr. exot. Schmett., f. 33, 1818; SMITH, C. 275. — Atl. States, Col.
syn. *lineata* WALKER.

*2333. **gracilenta** HÜBNER, Zutr. exot. Schmett., f. 5, 1818; SMITH, C. 276. — So. States.
syn. *oleagina* MORRISON.

2334. **simplex** SMITH, Trans. Am. Ent. Soc., xviii, 129, 1891; C. 276. — Col.

*2335. **arefacta** HY. EDWARDS, Pap., iv, 123, 1884; SMITH, C. 276. — Fla.

2336. **unimacula** SMITH, Trans. Am. Ent. Soc., x, 229, 1882; C. 276. — Col.

2337. **obliqua** SMITH, Trans. Am. Ent. Soc., x, 229, 1882; C. 276. — Ariz.

*2338. **bifascia** HÜBNER, Zutr. exot. Schmett., f. 55, 1818; SMITH, C. 276. — Ga., Ariz., Col.

2339. **nundina** DRURY, Ill. Exot. Ent., i, 36, 1770; SMITH, C. 276. — Atl. States.
syn. *nigrirena* HAWORTH.

*2340. **parmeliana** HY. EDWARDS, Pap., ii, 14, 1882; SMITH, C. 277. — Md.

2341. **acutilinea** GROTE, Can. Ent., x, 232, 1878; SMITH, C. 277. — Rocky Mts.
syn. *separata* GROTE.

*2342. **balba** GROTE, Pap., i, 156, 1881; SMITH, C. 277. — Ariz.

*2343. **coercita** GROTE, Pap., i, 156, 1881; SMITH, C. 277. — Ariz.

*2344. **walsinghami** HY. EDWARDS, Pap., i, 20, 1881; SMITH, C. 278. — Oreg.

2345. **brucei** SMITH, Trans. Am. Ent. Soc., xviii, 125, 1891; C. 278. — Col.

2346. **lynx** GUENÉE, Spec. Gén., vi, 185, 1852; SMITH, C. 278. — Atl. States.

2347. **roseitincta** HARVEY, Bull. Buff. Soc., ii, 278, 1875; SMITH, C. 278. — Tex., Col.

syn. *exaltata* HY. EDWARDS.

2348. **saturata** GROTE, Bull. Buff. Soc., ii, 74, 1874; SMITH, C. 278. — Atl. States, Cal.

syn. *rubiginosa* STRECKER.

2349. **diffusa** SMITH, Trans. Am. Ent. Soc., xviii, 125, 1891; C. 279. — Col.

2350. **sordidus** SMITH, Trans. Am. Ent. Soc., x, 230, 1883; C. 279. — Ala., Tex.

2351. **tertia** GROTE, Proc. Acad. Nat. Sci. Phil., 212, 1874; SMITH, C. 279. — Tex.

2352. **albafascia** SMITH, Trans. Am. Ent. Soc., x, 231, 1883; C. 279. — Utah. Col.

2353. **jaguarina** GUENÉE, Spec. Gén., vi, 184, 1852; SMITH, C. 280. — So. States, Col.

2354. **arcifera** GUENÉE, Spec. Gén., vi, 184, 1852; SMITH, C. 280. — Atl. States.

syn. *spraguei* GROTE.

*2355. **petulans** HY. EDWARDS, Pap., iv, 123, 1884; SMITH, C. 281. — Fla.

*2356. **crenilinea** SMITH, Trans. Am. Ent. Soc., xviii, 129, 1891; C. 281. — Tex.

*2357. **lupatus** GROTE, Can. Ent., vii, 224, 1875; SMITH, C. 281. — Tex.

2358. **packardii** GROTE, Proc. Ent. Soc. Phil., iii, 528, 1864; SMITH, C. 281. — Tex., Col., Ariz.

syn. *mortua* GROTE, *nobilis* GROTE.

*2359. **bicuspida** SMITH, Trans. Am. Ent. Soc., xviii, 127, 1891; C. 282. — Tex.

2360. **thoreaui** GROTE & ROBINSON, Trans. Am. Ent. Soc., iii, 181, 1868; SMITH, C. 282. — So. States.

2361. **marginata** HAWORTH, Lep. Brit., 374, 1810; SMITH, C. 282. — Atl. States.

syn. *rivulosa* GUENÉE, *divergens* WALKER, *contracta* WALKER, *designata* WALKER.

*2362. **imperspicua** STRECKER, Lep. Rhop. Het., 122, 1876; SMITH, C. 276. — Tex.
syn. *digitalis* SMITH, Trans. Am. Ent. Soc., xviii, 128, 1891; C. 283.

*2363. **constricta** HY. EDWARDS, Pap., ii, 128, 1882; SMITH, C. 283. — N. C.

*2364. **septentrionalis** WALKER, Cat. Brit. Mus., xv, 1744, 1858; SMITH, C. 284. — Ill.

*2365. **tuberculum** HÜBNER, Zutr. exot. Schmett., f. 517, 1823; SMITH, C. 283. — So. Atl. States.
syn. *dorsilutea* WALKER.

2366. **brevis** GROTE, Proc. Ent. Soc. Phil., iii, 530, 1864; SMITH, C. 283. — Atl. States, Col.
a. **atrites** GROTE, Proc. Ent. Soc. Phil., iii, 530, 1864.

*2367. **concinna** SMITH, Trans. Am. Ent. Soc., xviii, 128, 1891; C. 284. — Tex.

2368. **errans** SMITH, Trans. Am. Ent. Soc., x, 235, 1883; C. 284. — Ariz.

*2369. **inclara** STRECKER, Lep. Rhop. Het., 122, 1876; SMITH, C. 284. — Tex.

*2370. **limbalis** GROTE, Proc. Acad. Nat. Sci. Phil., 421, 1875; SMITH, C. 284. — Kans.

2371. **meskeana** GROTE, Can. Ent., vii, 234, 1875; SMITH, C. 284. — Tex., Fla.
syn. *fastidiosa* STRECKER, *rufimedia* GROTE.

2372. **ultima** STRECKER, Lep. Rhop. Het., 122, 1876; SMITH, C. 285. — Tex.

2373. **ligeæ** SMITH, Ins. Life, v, 331, 1893. — Cal.

2374. **intrabilis** SMITH, Ins. Life, v, 331, 1893. — Cal.

2375. **ciliata** SMITH, Proc. U. S. Nat. Mus., xxii, 488, 1900. — N. Mex.

2376. **oculata** SMITH, Proc. U. S. Nat. Mus., xxii, 488, 1900. — Ariz.

2377. **reniformis** SMITH, Proc. U. S. Nat. Mus., xxii, 487, 1900. — Col.

*2378. **labe** STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. — Tex.

*2379. **hanga** STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898. — Tex.

*2380. **ar** STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. — Tex.

*2381. **nubila** STRECKER, Lep. Rhop. Het., 122, 1876; SMITH, C. 284. — Tex.

*2382. **approximata** STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. — Tex.

*2383. **dolosa** STRECKER, Lep. Rhop. Het., suppl. 1, 9, 1898. — Tex.

*2384. **neglecta** STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. — Col.

*2385. **tanena** STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. — Tex.

*2386. **obscurata** STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. — Pa.

*2387. **lora** STRECKER, Lep. Rhop. Het., suppl. 1, 10, 1898. — Tex.

*2388. **siren** STRECKER, Lep. Rhop. Het., 122, 1876; SMITH, C. 285. — Tex.

DASYSPOUDÆA Smith.

SMITH, Trans. Am. Ent. Soc., x, 213, 1883.

2389. **lucens** MORRISON, Proc. Acad. Nat. Sci. Phil., 69, 1875; SMITH, C. 286. — Rocky Mts.

a. **luxuriosa** GROTE, Can. Ent., xiv, 175, 1882.

2390. **meadii** GROTE, Bull. Buff. Soc., i, 121, 1873; SMITH, C. 286. — Mont., Col.

PSEUDANTHŒCIA Smith.

SMITH, Trans. Am. Ent. Soc., x, 213, 1880.

2391. **tumida** GROTE, Bull. Brook. Ent. Soc., iii, 30, 1880; SMITH, C. 286. — Col.

PALADA Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 486, 1900.

2392. **scarletina** SMITH, Proc. U. S. Nat. Mus., xxii, 487, 1900. — Cal.

STYLOPODA Smith.

SMITH, Trans. Am. Ent. Soc., xviii, 131, 1891.

2393. **cephalica** SMITH, Trans. Am. Ent. Soc., xviii, 131, 1891; C. 286. — Cal.

SYMPISTIS Hübner.

HÜBNER, Verz. bek. Schmett., 257, 1816; *Euros* HY. EDWARDS.

*2394. **proprius** HY. EDWARDS, Pap., i, 19, 1881; SMITH, C. 286. — Cal.

MELANOPORPHYRIA Grote.

Grote, Bull. Buff. Soc., ii, 75, 1874.

2395. **immortua** Grote, Bull. Buff. Soc., ii, 75, 220, 1874; Smith, C. 287. — Mass., N. Y., Col.

*2396. **prorupta** Grote, Trans. Am. Ent. Soc., iv, 294, 1873; Smith, C. 287. — Cal., Oreg.

syn. *venusta* Hy. Edwards.

2397. **oregona** Hy. Edwards, Proc. Cal. Acad. Sci., vi, 135, 1875; Smith, C. 287. — Col., Nev., Oreg.

DYSOCNEMIS Grote.

Grote, Rev. Check List, 34, 1890.

2398. **belladonna** Hy. Edwards, Pap., i, 20, 1881; Smith, C. 287. — Utah.

PSEUDOTAMILA Smith.

Smith, Trans. Am. Ent. Soc., x, 238, 1883.

2399. **vanella** Grote, Can. Ent., xi, 197, 1877; Smith, C. 287. — Nev., Cal.

*2400. **perminuta** Hy. Edwards, Pap., i, 21, 1881; Smith, C. 287. — Cal.

MELICLEPTRIA Hübner.

Hübner, Verz. bek. Schmett., 262, 1816.

*2401. **celeris** Grote, Bull. Buff. Soc., i, 148, 1873; Smith, C. 288. — So. Cal.

2402. **pulchripennis** Grote, Proc. Bost. Soc. Nat. Hist., xvi, 241, 1874; Smith, C. 288. — Cal., Col.

syn. *languida* Hy. Edwards.

*2403. **graefiana** Tepper, Trans. Am. Ent. Soc., x, 245, 1883; Smith, C. 288. — So. Cal.

2404. **villosa** Grote, Proc. Ent. Soc. Phil., iii, 531, 1864; Smith, C. 288. — Col., Cal.

syn. *pauxillus* Grote.

a. **persimilis** Grote, Bull. Buff. Soc., i, 117, 1873.

2405. **honesta** Grote, Pap., i, 77, 1881; Smith, C. 289. — Oreg.

*2406. **sueta** Grote, Bull. Buff. Soc., i, 117, 1873; Smith, C. 289. — Col., Cal.

syn. *californicus* Grote.

*2407. **vacciniæ** Hy. Edwards, Proc. Cal. Acad. Sci., vi, 134, 1875; Smith, C. 289. — Cal.

2408. **septentrionalis** Hy. Edwards, Pap., iv, 45, 1884; Smith, C. 289. — Can.

HELIOLONCHE Grote.

Grote, Bull. Buff. Soc., i, 115, 1873.

2409. **modicella** Grote, Bull. Buff. Soc., i, 116, 1873; Smith, C. 289. — Cal., Col. Utah.

OMIA Hübner.

Hübner, Verz. bek. Schmett., 244, 1816.

2410. **nesæa** Smith, Ins. Life, v, 332, 1893. — Cal.

HELIOPHANA Grote.

Grote, Bull. Buff. Soc., ii, 220, 1875.

*2411. **mitis** Grote, Bull. Buff. Soc., i, 116, 1873; Smith, C. 290. — Tex., Miss.

syn. *obliquata* Smith.

2412. **amaryllis** Smith, Trans. Am. Ent. Soc., xviii, 130, 1891; C. 290. — Cal.

*2413. **bina** Guenée, Spec. Gén., vi, 186, 1852; Smith, C. 290. — Neb., N. Y.

HELIODES Guenée.

Guenée, Ann. Soc. Ent. Fr., x, 61, 1841.

2414. **restrictalis** Smith, Proc. U. S. Nat. Mus., xxii, 485, 1900. — Cal.

2415. **angelica** Smith, Proc. U. S. Nat. Mus., xxii, 484, 1900. — Cal.

HELIOSEA Grote.

Grote, Bull. Buff. Soc., ii, 220, 1875.

*2416. **pictipennis** Grote, Bull. Buff. Soc., ii, 220, 1875; Smith, C. 289. — Cal.

XANTHOTHRIX Hy. Edwards.

Hy. Edwards, Pac. Coast Lep., no. 29, 1878.

2417. **ranunculi** Hy. Edwards, Pac. Coast Lep., no. 29, 1878; Smith, C. 290. — Cal.

2418. **neumoegeni** Hy. Edwards, Pap., i, 101, 1881; Smith, C. 290. — Cal.

AXENUS Grote.

Grote, Bull. Buff. Soc., i, 153, 1873.

2419. **arvalis** Grote, Bull. Buff. Soc., i, 152, 1873; Smith, C. 291. — Cal., Col., Ariz.

a. **ochraceus** Hy. Edwards, Proc. Cal. Acad. Sci., vi, 136, 1875.

b. **amplus** Hy. Edwards, Proc. Cal. Acad. Sci., vi, 136, 1875.

HELIACA Herrich-Schaeffer.

Herrich-Schaeffer, Schmett. Eur., ii, 370, 1853.

2420. **diminutiva** Grote, Bull. Buff. Soc., i, 148, 1873; Smith, C. 291. — Cal., Nev., Col.

2421. **fasciata** Hy. Edwards, Proc. Cal. Acad. Sci., vi, 134, 1875; Smith, C. 281. — Col.

*2422. **dubitans** Tepper, Trans. Am. Ent. Soc., vi, 134, 1875; Smith, C. 291. — Nev.

2423. **nexilis** Morrison, Proc. Acad. Nat. Sci. Phil., 102, 1875; Smith, C. 291. — Col., Cal.

2424. **elaborata** Hy. Edwards, Pap., i, 21, 1881; Smith, C. 291. — Col.

EUPSEUDOMORPHA Dyar.

Dyar, Can. Ent., xxv, 28, 1893.

*2425. **brillians** Neumoegen, Can. Ent., xii, 67, 1880; Neumoegen & Dyar, Jn. N. Y. Ent. Soc., ii, 23, 1894. — Tex.

XANTHOPASTIS Hübner.

Hübner, Verz. bek. Schmett., 211, 1816.

2426. **timais** Cramer, Pap. Exot., pl. 275, f. B, 1782; Smith, C. 180. — Fla.

syn. *regnatrix* Grote.

PSYCHOMORPHA Harris.

Harris, Am. Jn. Sci., xxxvi, 319, 1839.

2427. **epimenis** Drury, Ill. Exot. Ent., iii, pl. 39, f. 2, 1780; Neumoegen & Dyar, Jn. N. Y. Ent. Soc., ii, 19, 1894. — Atl. States.

EUTHISANOTIA Hübner.

Hübner, Zutr. exot. Schmett., iii, 12, 1825; *Eudryas* Boisduval.

2428. **unio** Hübner, Zutr. exot. Schmett., iii, 12, 839, 840, 1825; Neumoegen & Dyar, Jn. N. Y. Ent. Soc., ii, 24, 1894. — Atl. States.

2429. **brevipennis** STRETCH, Zyg. Bomb. No. Am., 151, 1874; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc. ii, 25, 1894. — Cal.

2430. **grata** FABRICIUS, Syst. Ent., iii, 457, 1793; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 25, 1894. — Atl. States.

syn. *assimilis* BOISDUVAL.

CIRIS Grote.

GROTE, Proc. Ent. Soc. Phil., ii, 65, 1863.

2431. **wilsoni** GROTE, Proc. Ent. Soc. Phil., ii, 65, 1863; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 25, 1894. — Tex.

NOROPSIS Guenée.

GUENÉE, Spec. Gén., v, 117, 1852.

2432. **hieroglyphica** CRAMER, Pap. Exot., pl. 147, f. D, 1779; SMITH, C. 180. — Tex., Fla.

syn. *festiva* FABRICIUS, *elegans* HÜBNER, *fastuosa* GUENÉE.

FENARIA Grote.

GROTE, Pap., ii, 132, 1882.

2433. **longipes** DRUCE, Biol. Cent. Am., Lep. Het., i, 334, 1889. — Ariz., Mex.

2434. **sevorsa** GROTE, Pap., ii, 132, 1882; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 19, 1894. — Ariz., Mex.

syn. *adessa* DRUCE, Biol. Cent. Am., Lep. Het., i, 334, 1889.

ACHERDOA Walker.

WALKER, Cat. Brit. Mus., xxxii, 451, 1865; *Varina* NEUMOEGEN.

2435. **ferraria** WALKER, Cat. Brit. Mus., xxxii, 451, 1865; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 59, 1894. — Fla.

syn. *ornata* NEUMOEGEN.

AON Neumoegen.

NEUMOEGEN, Ent. News, iii, 258, 1893.

2436. **noctuiformis** NEUMOEGEN, Ent. News, iii, 258, 1893; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 60, 1894. — Tex.

CIRRHOPHANUS Grote.

GROTE, Can. Ent., iv, 187, 1872.

2437. **triangulifer** GROTE, Can. Ent., iv, 187, 1872; SMITH, C. 261. — So. States.

2438. **dyari** COCKERELL, Can. Ent., xxxi, 288, 1899. — N. Mex.

2439. **duplicatus** SMITH, Trans. Am. Ent. Soc., xviii, 112, 1891; C. 261. — Col.

TRICHOCALA Ottolengui.

Kallitrichia OTTOLENGUI (not *Callitriche* POLI), Can. Ent., xxx, 107, 1898.—R. OTTOLENGUI.

*2440. **coronides** DRUCE, Biol. Cent. Am., Lep. Het., i, 328, 1889. — Ariz., Mex.

syn. *pendula* OTTOLENGUI, Can. Ent., xxx, 108, 1898.

*2441. **albavena** OTTOLENGUI, Can. Ent., xxx, 107, 1898. — Ariz.

*2442. **smithii** DRUCE, Biol. Cent. Am., Lep. Het., i, 329, 1889. (May be 2463.) — Ariz., Mex.

a. **sagittalba** OTTOLENGUI, Can. Ent., xxx, 108, 1898.

BASILODES Guenée.

GUENÉE, Spec. Gén., vi, 358, 1852.

2443. **pepita** GUENÉE, Spec. Gén., vi, 358, 1852; SMITH, C. 261. — So. Atl. States.

2444. **chrysopis** GROTE, Pap., i, 154, 1881; SMITH, C. 261. — Rocky Mts.

2445. **territans** HY. EDWARDS, Pap., iv, 45, 1884; SMITH, C. 261. — Ariz.

*2446. **howardi** HY. EDWARDS, Pac. Coast Lep., 25, 1877; SMITH, C. 261. — Ariz.

*2447. **mirabilis** NEUMOEGEN, Pap., iv, 94, 1884; SMITH, C. 262. — Ariz.

*2447. 1. **arizonae** FRENCH, Can. Ent., xxi, 161, 1889; SMITH, C. 248. — Ariz.

STIRIA Grote.

GROTE, Bull. Buff. Soc., ii, 73, 1874.

2448. **rugifrons** GROTE, Bull. Buff. Soc., ii, 75, 1874; SMITH, C. 262. — Kans. Col.

*2449. **consuela** STRECKER Lep. Rhop. Het., suppl. 3, 34, 1900. — Ariz.

*2450. **sulphurea** NEUMOEGEN, Pap., ii, 135, 1882; SMITH, C. 262. — Ariz.

*2451. **nanata** NEUMOEGEN, Pap., iv, 95, 1884; SMITH, C. 262. — N. Mex.

STIBADIUM Grote.

GROTE, Bull. Buff. Soc., ii, 74, 1874.

2452. **spumosum** GROTE, Bull. Buff. Soc., ii, 74, 1874; SMITH, C. 262. — So. Atl. States, Col.

2453. **aureolum** HY. EDWARDS, Pap., ii, 126, 1882; SMITH, C. 262. — Ariz.

*2454. **curiosum** NEUMOEGEN, Pap., iii, 141, 1883; SMITH, C. 262. — Ariz.

2455. **navium** HARVEY, Bull. Buff. Soc., iii, 10, 1875; SMITH, C. 263. — Tex.

PLAGIOMIMICUS Grote.

GROTE, Bull. Buff. Soc., i, 182, 1873.

2456. **pityochromus** GROTE, Bull. Buff. Soc., i, 182, 1873; SMITH, C. 263. — So. Atl. States, Col.

2457. **triplagiatus** SMITH, Ent. Amer., vi, 139, 1890; C. 163. — N. Mex.

2458. **tepperi** MORRISON, Proc. Acad. Nat. Sci. Phil., 68 1875; SMITH, C. 263. — Tex., Col.

syn. *richi* GROTE.

2459. **expallidus** GROTE, Pap., ii, 185, 1882; SMITH, C. 264. — Mont., Col.

*2460. **viridifera** GROTE, Can. Ent., xiv, 217, 1882; SMITH, C. 264. — Ariz.

FALA Grote.

GROTE, Proc. Acad. Nat. Sci. Phil., 425, 1875.

*2461. **ptycophora** GROTE, Proc. Acad. Nat. Sci. Phil., 426, 1875; SMITH, C. 264. — Cal.

NARTHECOPHORA Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 485, 1900.

2462. **pulverea** SMITH, Proc. U. S. Nat. Mus., xxii, 486, 1900. — Ariz.

NEUMOEGENIA Grote.

GROTE, Pap., ii, 132, 1882.

*2463. **poetica** GROTE, Pap., ii, 132, 184, 1882; SMITH, C. 265. — Ariz., Oreg.

PLUSIODONTA Guenée.

GUENÉE, Spec. Gén., vi, 359, 1852.

2464. **compressipalpis** GUENÉE, Spec. Gén., vi, 359, 1852; SMITH, C. 260. — Atl. States.

syn. *insignis* WALKER.

GONODONTA Hübner.

HÜBNER, Verz. bek. Schmett., 263, 1816.

2465. **unica** NEUMOEGEN, Can. Ent., xxiii, 125, 1891; SMITH, C. 259; DYAR, Proc. U. S. Nat. Mus., xxiii, 272, 1900. — Fla.

*2466. **nutrix** CRAMER, Pap. Exot., iv, pl. 312, f. B, 1782; GUENÉE, Spec. Gén., vi, 370, 1852. — Fla., So. Am.

CALPE Treitschke.

TREITSCHKE, Schmett. Eur., v, 2, 168, 1825.

2467. **canadensis** BETHUNE, Proc. Ent. Soc. Phil., iv, 213, 1865; SMITH, C. 259. — No. Atl. States.

syn. *purpurascens* WALKER, *sobria* WALKER.

PANCHRYSIA Hübner.

HÜBNER, Verz. bek. Schmett., 252, 1816; *Dera* WALKER, Cat. Brit. Mus., xii, 962, 1857.

*2468. **morigera** HY. EDWARDS, Ent. Amer., ii, 169, 1887; SMITH, C. 247. — Col.

2469. **purpurigera** WALKER, Cat. Brit. Mus., xiv, 1791, 1858; SMITH, C. 246. — Atl. States, Col.

*2470. **palligera** GROTE, Pap., i, 35, 1881; SMITH, C. 247. — Cal., Col.

2471. **ornata** OTTOLENGUI, Can. Ent., xxx, 106, 1898. — N. Mex.

POLYCHRYSIA Hübner.

HÜBNER, Verz. bek. Schmett., 251, 1816.

2472. **moneta** FABRICIUS, Mant. Ins., 162, 1787; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 2521, 1901. — Alberta, Eur.

a. **esmeralda** OBERTHÜR, Étud. d'Ent., v, 85, 1880.

syn. *trabea* SMITH, Ent. News, vii, 29, 1896.

2473. **formosa** GROTE, Proc. Ent. Soc. Phil., iv, 323, 1865; SMITH, C. 249. — Atl. States.

PLUSIA Hübner.

Hübner, Tent., 1806; Ochsenheimer, Schmett. Eur., iv, 89, 1816.

2474. **ærea** Hübner, Schmett. Eur., iv, pl. 56, f. 27, 1810; Smith, C. 247. — Atl. States, Col.

2475. **æroides** Grote, Proc. Ent. Soc. Phil., iii, 83, 1864; Smith, C. 247. — Atl. States, Col.

2476. **balluca** Geyer, Zutr. exot. Schmett., f. 681, 1835; Smith, C. 248. — No. Atl. States.

2477. **metallica** Grote, Bull. Buff. Soc., ii, 371, 1875; Smith, C. 248. — Wash., Cal.

syn. *scapularis* Hy. Edwards, Pap., ii, 127, 1882; *lenzi* French, Can. Ent., xxi, 161, 1889; Smith, C. 253.

EUCHALCIA Hübner.

Hübner, Verz. bek. Schmett., 251, 1816.

2478. **contexta** Grote, Bull. Buff. Soc., i, 193, 1873; Smith, C. 248. — Atl. States.

2479. **festucæ** Linnæus, Syst. Nat., 513, 1758; Staudinger & Rebel, Cat. Lep. Eur., i, no. 2546, 1901. — Atl. States, Eur.

a. **putnami** Grote, Bull. Buff. Soc., i, 146, 1873; Smith, C. 248.

2480. **venusta** Walker, Cat. Brit. Mus., xxxiii, 836, 1865; Smith, C. 248. — Atl. States.

syn. *striatella* Grote.

EOSPHOROPTERYX Dyar.

Dyar, Jn. N. Y. Ent. Soc., x, 80, 1902.

2481. **thyatiroides** Guenée, Spec. Gén., vi, 337, 1852; Smith, C. 249. — Atl. States.

AUTOGRAPHA Hübner.

Hübner, Verz. bek. Schmett., 251, 1816.

2482. **mappa** Grote & Robinson, Trans. Am. Ent. Soc., ii, 204, 1868; Smith, C. 249. — No. Atl. States.

2483. **bimaculata** Stephens, Ill. Brit. Ent., Haust., iii, 104, 1832; Smith, C. 249. — Atl. States.

*2484. **solida** Ottolengui, Jn. N. Y. Ent. Soc., x, 64, 1902. — Tex., Mex.

2485. **biloba** Stephens, Ill. Brit. Ent., Haust., iii, 104, 1832; Smith, C. 249. — U. S.

2486. **verruca** FABRICIUS, Ent. Syst., iii, 2, 81, 1794; SMITH, C. 250. — Atl. States, So. Am.

syn. *omega* HÜBNER, *oo* CRAMER, *omicron* HÜBNER, *quæstionis* TREITSCHKE, *rutila* WALKER.

2487. **rogationis** GUENÉE, Spec. Gén., vi, 344, 1852; SMITH, C. 250. — Atl. States, Col., So. Am.

syn. *hamifera* WALKER, *dyaus* GROTE, *includens* WALKER, *culta* LINTNER.

2488. **precationis** GUENÉE, Spec. Gén., vi, 344, 1852; SMITH, C. 251. — Atl. States.

2489. **egena** GUENÉE, Spec. Gén., vi, 328, 1852; SMITH, C. 251. — Fla.

2490. **labrosa** GROTE, Proc. Acad. Nat. Sci. Phil., 207, 1874; SMITH, C. 251. — Cal.

2491. **flagellum** WALKER, Cat. Brit. Mus., xii, 909, 1857; SMITH, C. 251. — Can

syn. *monodon* GROTE, *insolita* SMITH, Ent. News, vii, 30, 1896.

2492. **gamma** LINNÆUS, Faun. Suec., 1171, 1761; SMITH, C. 251. — Can., Pac. States.

a. **pseudogamma** GROTE, Can. Ent., vii, 203, 1875; SMITH, C. 251.

b. **californica** SPEYER, Stett. ent. Zeit., xxxvi, 164, 1875.

syn. *russea* HY. EDWARDS.

2493. **ou** GUENÉE, Spec. Gén., vi, 348, 1852; SMITH, C. 252. — U. S.

syn. *fratella* GROTE, Bull. Buff. Soc., ii, 161, 1874; SMITH, C. 252.

*2494. **rubidus** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 67, 1902. — Can.

*2495. **pedalis** GROTE, Can. Ent., vii, 204, 1875; SMITH, C. 252. — Kans.

2496. **brassicæ** RILEY, Second Rept. Ins. Mo., 110, 1870; SMITH, C. 253. — U. S.

syn. *echinocystis* BEHR.

*2497. **abrota** DRUCE, Biol. Cent. Am., Lep. Het., i, 333, 1889; ii, 504, 1898. — Fla., Mex.

2498. **oxygramma** GEYER, Zutr. exot. Schmett., f. 769, 1830; SMITH, C. 253. — So. States, So. Am.

syn. *indigna* WALKER, Cat. Brit. Mus., xxii, 901, 1857; SMITH, C. 257.

*2500. **albavitta** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 75, 1902. — Cal.

2501. **alias** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 69, 1902. — No. Atl. States.

2502. **octoscripta** GROTE, Bull. Buff. Soc., ii, 72, 1874; SMITH, C. 254. — No. Atl. States.
syn. *octosignata* GROTE.

*2503. **altera** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 69, 1902. — N. Y., Can.

*2504. **v-alba** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 73, 1902. — Wyo.

2505. **rectangula** KIRBY, Faun. Bor. Am., iv, 306, 1837; SMITH, C. 254. — No. Atl. States.
syn. *mortuorum* GUENÉE, Spec. Gén., vi, 353, 1852; SMITH, C. 254.

*2506. **u-aureum** GUENÉE, Spec. Gén., vi, 353, 1852; SMITH, C. 254.[1] — No. Atl. States.

*2507. **arctica** MÖSCHLER, Verh. zool.-bot. Ges. Wien, 285, 1884.[1] — Labr.

2508. **vaccinii** HY. EDWARDS, Ent. Amer., iii, 170, 1886; SMITH, C. 254.[1] — No. Atl. States.

2509. **selecta** WALKER, Cat. Brit. Mus., xii, 912, 1857; SMITH, C. 255. — No. Atl. States.
syn. *viridisignata* GROTE.

*2510. **variana** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 70, 1902. — N. Brms.

2511. **epsilon** OTTOLENGUI, Proc. Wash. Acad. Sci., ii, 494, 1901. — Alaska.

2512. **angulidens** SMITH, Trans. Am. Ent. Soc., xviii, 111, 1891; C. 255. — Col.

2513. **ottolenguii** DYAR. — Alaska.
syn. *arctica* OTTOLENGUI (not MÖSCHLER), Jn. N. Y. Ent. Soc., x, 66, 1902.

*2514. **celsa** HY. EDWARDS, Pap., i, 101, 1891; SMITH, C. 255. — Oreg.

2515. **epigæa** GROTE, Proc. Acad. Nat. Sci. Phil., 208, 1874; SMITH, C. 255. — N. Y., Mass., Col.

*2516. **surena** GROTE, Bull. Geol. Surv. Terr., vi, 585, 1882; SMITH, C. 255. — Me.

2517. **ampla** WALKER, Cat. Brit. Mus., xii, 910, 1857; SMITH, C. 256. — No. Atl. States, Col.
syn. *alterna* STRECKER, Proc. Acad. Nat. Sci. Phil., xxxvii, 178, 1885.

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[1] These names may not represent more than one species.

2518. **basigera** WALKER, Cat. Brit. Mus., xxxiii, 836, 1865; SMITH, C. 255. — Atl. States.
syn. *laticlavia* MORRISON.

2519. **falcigera** KIRBY, Faun. Bor. Am., iv, 308, 1837; SMITH, C. 254. — U. S.
a. **simplex** GUENÉE, Spec. Gén., vi, 346, 1852; SMITH, C. 256.

2520. **pasiphæia** GROTE, Bull. Buff. Soc., i, 146, 1873; SMITH, C. 256. — Pac. States.

*2521. **zeta** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 70, 1902. — N.-W. Terr.

*2522. **excelsa** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 71, 1902. — No. U. S.

*2523. **pallida** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 71, 1902. — Newfoundl.

2524. **corrusca** STRECKER, Proc. Acad. Nat. Sci. Phil., 178, 1885; SMITH, C. 257. — Col., Wash.

*2525. **omicron** AFZELIUS, Life Linn., 1823; SMITH, C. 257.[1] — N. Y.

*2526. **speciosa** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 73, 1902. — B. C.

*2527. **simplicima** OTTOLENGUI, Jn. N. Y. Ent. Soc., x, 74, 1902. — Wash.

2528. **sackeni** GROTE, Can. Ent., ix, 135, 1877; SMITH, C. 257. — Col.

*2529. **snowi** HY. EDWARDS, Pap., iv, 44, 1884; SMITH, C. 257. — Col., N. Mex.

*2530. **diasema** BOISDUVAL, Eur. Lep. Ind. Méth., 93, 1829; SMITH, C. 256. — Lab., Col.

2531. **accurata** HY. EDWARDS, Pap., ii, 127, 1882; SMITH, C. 257. — Wash.

SYNGRAPHA Hübner.

HÜBNER, Verz. bek. Schmett., 250, 1816; *Calophasia* SMITH.

2532. **parilis** HÜBNER, Schmett. Eur., Noct., iii, 422, 1800; SMITH, C. 256. — Arctic Am.
syn. *quadriplaga* WALKER.

2533. **ignea** GROTE, Proc. Ent. Soc. Phil., ii, 274, 1863; SMITH, C. 258. — Col.

[1] This name falls by homonymy even if it represent a different species from *omicron* Hübner [2486]. See Fée, Life Linnæus in Mém. Soc. R. d. Sci. de Lille, 1831.

2534. **hochenwarthi** HOCHENWARTH, Act. Soc. Berl., vi 337, 1785; SMITH, C. 258. — Arctic Am.
syn. *divergens* FABRICIUS.

2535. **devergens** HÜBNER, Schmett. Eur., Noct., iii, 500, 1800; SMITH, C. 259. — Col., Lab.
syn. *alticola* WALKER, Cat. Brit. Mus., xii, 912, 1857; SMITH, C. 258.

ABROSTOLA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., iv, 88, 1816.

2536. **urentis** GUENÉE, Spec. Gén., vi, 322, 1852; SMITH, C. 246. — Atl. States.

*2537. **ovalis** GUENÉE, Spec. Gén., vi, 322, 1852; SMITH, C. 246. — Atl. States.

BEHRENSIA Grote.

GROTE, Can. Ent., vii, 70, 1875.

2538. **conchiformis** GROTE, Can. Ent., vii, 71, 1875; SMITH, C. 246. — Cal., Oreg.

DIASTEMA Guenée.

GUENÉE, Spec. Gén., vi, 317, 1852; *Nepista* WALKER, *Plagiola* GROTE.

*2539. **tigris** GUENÉE, Spec. Gén., vi, 317, 1852; SMITH, C. 245. — Fla.
syn. *lineata* WALKER.

OGDOCONTA Butler.

BUTLER, Ann. Mag. Nat. Hist., (6), vii, 462, 1891.

2540. **cinereola** GUENÉE, Spec. Gén., vi, 316, 1852; SMITH, C. 245. — Atl. States.
syn. *atomaria* WALKER.

*2541. **carneola** SMITH, Trans. Am. Ent. Soc., xviii, 110, 1891; C. 246. — N. Mex.

PÆCTES Hübner.

HÜBNER, Verz. bek. Schmett., 248, 1816; *Ingura* GUENÉE.

2542. **declinata** GROTE, Can. Ent., xi, 208, 1878; SMITH, C. 240. — Cal., Col.

2543. **burseræ** DYAR, Proc. Ent. Soc. Wash., iv, 455, 1901. — Fla.

2544. **delineata** GUENÉE, Spec. Gén., vi, 311, 1852; SMITH, C. 240. — Atl. States.

2545. **abrostoloides** GUENÉE, Spec. Gén., vi, 311, 1852; SMITH, C. 240. — Atl. States.

*2546. **flabella** GROTE, Can. Ent., xi, 208, 1879; SMITH, C. 240. — Kans.

2547. **pygmæa** HÜBNER, Zutr. exot. Schmett., f. 109, 1818; SMITH, C. 240; GROTE, Abh. nat. Ver. Brem., xiv, 101, 1895. — So. States.

syn. *fuscescens* WALKER, *abrostella* WALKER, *præpilata* GROTE.

2548. **oculatrix** GUENÉE, Spec. Gén., vi, 313, 1852; SMITH, C. 241. — Atl. States.

*2549. **cristatrix** GUENÉE, Spec. Gén., vi, 313, 1852; SMITH, C. 241. — U. S.

EUTELIA Hübner.

HÜBNER, Verz. bek. Schmett., 259, 1816.

*2550. **pulcherrima** GROTE, Proc. Ent. Soc. Phil., iv, 326, 1865; SMITH, C. 239. — Atl. States.

syn. *dentifera* WALKER.

MARASMALUS Grote.

GROTE, Trans. Am. Ent. Soc., iv, 89, 1872.

2551. **inficita** WALKER, Cat. Brit. Mus., xxxiii, 818, 1865; SMITH, C. 239. — Atl. States.

syn. *histrio* GROTE.

2552. **ventilator** GROTE, Trans. Am. Ent. Soc., iv, 89, 1872; SMITH, C. 239. — Atl. States.

AMYNA Guenée.

GUENÉE, Spec. Gén., v, 406, 1852; *Chytoryza* GROTE.

2553. **orbica** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 216, 1874; SMITH, C. 244. — Tex., Kans.

syn. *tecta* GROTE.

PTERÆTHOLIX Grote.

GROTE, Trans. Am. Ent. Soc., iv, 298, 1873.

2554. **bullula** GROTE, Trans. Am. Ent. Soc., iv, 299, 1873; SMITH, C. 244. — So. States.

ALABAMA Grote.

Grote, Abh. nat. Ver. Brem., xiv, 123, 1895.

2555. **argillacea** Hübner, Zutr. exot. Schmett., f. 399, 1820; Smith, C. 243. — So. Atl. States.
syn. *sylina* Say, *grandipuncta* Guenée, *bipunctina* Guenée.

ANOMIS Hübner.

Hübner, Verz. bek. Schmett., 249, 1816.

2556. **erosa** Hübner, Zutr. exot. Schmett., f. 287, 1818; Smith, C. 241. — So. Atl. States.

2557. **exacta** Hübner, Samml. exot. Schmett., ii, 1810; Smith, C. 241. — So. Atl. States.

2558. **luridula** Guenée, Spec. Gén., vi, 401, 1852; Smith, C. 242. — Gulf States.
syn. *derogata* Walker, *texana* Riley.

*2559. **conducta** Walker, Cat. Brit. Mus., xiii, 990, 1857; Smith, C. 242. — Tex.
syn. *hostia* Harvey.

SCOLECOCAMPA Guenée.

Guenée, Spec. Gén., v, 131, 1852.

2560. **liburna** Geyer, Zutr. exot. Schmett., f. 963, 1823; Smith, C. 191. — Atl. States.
syn. *ligni* Guenée.

EUCALYPTERA Morrison.

Morrison, Ann. Lyc. Nat. Hist. N. Y., xi, 104, 1875.

*2561. **obscura** Grote, Can. Ent., xv, 7, 1883; Smith, C. 192. — Ariz.

2562. **bipuncta** Morrison, Ann. Lyc. Nat. Hist. N. Y., xi, 104, 1875; Smith, C. 191. — Atl. Coast.

2563. **pectinicornis** Smith, Jn. N. Y. Ent. Soc., vii, 232, 1899. — Ariz.

2564. **strigata** Smith, Jn. N. Y. Ent. Soc., x, 45, 1902. — Tex.

REABOTIS Smith.

Eyes naked; legs unarmed save for the usual spurs on tibiæ, closely scaled; palpi long, curved, far exceeding the head, closely scaled, median joint a little thickened centrally, terminal joint slender, cylindrical; tongue moderate only; primaries trigonate, costa a little depressed, inner and outer margins rounded; secondaries, cell rather short, vein 5 as strong as the others and close to 4 on a short spur from the median.—JOHN B. SMITH.

*2565. **immaculalis** HULST, Trans. Am. Ent. Soc., xiii, 154, 1886. — Mont.

CILLA Grote.

GROTE, No. Am. Ent., i, 100, 1880.

2566. **distema** GROTE, No. Am. Ent., i, 100, 1880; SMITH, C. 193. — Tex.

AMOLITA Grote.

GROTE, Bull. Buff. Soc., ii, 158, 1874.

2567. **fessa** GROTE, Bull. Buff. Soc., ii, 158, 1874; SMITH, C. 193. — Atl. States.

RIVULA Guenée.

GUENÉE, Spec. Gén., viii, 47, 1854.

2568. **propinqualis** GUENÉE, Spec. Gén., viii, 49, 1854; SMITH, C. 384. — Atl. States.

PSEUDORGYIA Harvey.

HARVEY, Bull. Buff. Soc., ii, 283, 1875.

2569. **versuta** HARVEY, Bull. Buff. Soc., ii, 284, 1875; SMITH, C. 386. — Tex.

*2570. **russula** GROTE, Pap., iii, 75, 1883; SMITH, C. 386. — Ariz.

DORYODES Guenée.

GUENÉE, Spec. Gén., x, 233, 1857.

2571. **bistriaris** GEYER, Zutr. exot. Schmett., f. 775, 1823; SMITH, C. 192. — Atl. Coast.

syn. *acutaria* HERRICH-SCHAEFFER, *divisa* WALKER, *promptella* WALKER.

2572. **spadaria** GUENÉE, Spec. Gén., x, 234, 1857; SMITH, C. 192. — Fla.

PHIPROSOPUS Grote.

Grote, Trans. Am. Ent. Soc., iv, 90, 1872.

2573. **callitrichoides** Grote, Trans. Am. Ent. Soc., iv, 90, 1872; Smith, C. 192. — Atl. States.
syn. *nastuaria* Zeller.

ANEPISCHETOS Smith.

Smith, Proc. U. S. Nat. Mus., xxii, 482, 1900.

2574. **bipartita** Smith, Proc. U. S. Nat. Mus., xxii, 482, 1900. — Fla.

DIALLAGMA Smith.

Smith, Proc. U. S. Nat. Mus., xxii, 483, 1900.

2575. **lutea** Smith, Proc. U. S. Nat. Mus., xxii, 483, 1900. — Fla.

PLEONECTYPTERA Grote.

Grote, Trans. Am. Ent. Soc., iv, 23, 1872.

2576. **pyralis** Hübner, Zutr. exot. Schmett., f. 127, 1818; Smith, C. 362. — So. Atl. States.
syn. *irrecta* Walker, *floccalis* Zeller.

2577. **geometralis** Grote, Trans. Am. Ent. Soc., iv, 24 1872; Smith, C. 362. — So. States.

*2578. **habitalis** Walker, Cat. Brit. Mus., xvi, 39, 1859; Smith, C. 363. — So. States.
syn. *phalænalis* Grote.

2579. **finitima** Smith, Ins. Life, v, 333, 1893. — Cal.

2580. **incusalis** Grote, Can. Ent., xiii, 133, 1881; Smith, C. 363. — Col., Ariz.

*2581. **subflavidalis** Grote, Pap., i, 166, 1881; Smith, C. 363. — Ariz.

*2582. **historialis** Grote, Can. Ent., xiv, 188, 1882; Smith, C. 363. — Ariz.

2583. **immaculalis** Harvey, Bull. Buff. Soc., iii, 13, 1875; Smith, C. 363. — Tex.

*2584. **obliqualis** Hy. Edwards, Ent. Amer., ii, 171, 1886; Smith, C. 363. — Tex.

ANNAPHILA Grote.

Grote, Bull. Buff. Soc., i, 149, 1873.

*2585. **casta** Hy. Edwards, Ent. Amer., iv, 114, 1890; Smith, C. 296. — Oreg.

2586. **superba** Hy. Edwards, Proc. Cal. Acad. Sci., vi, 139, 1875; Smith, C. 296. — Cal.

*2587. **divinula** Grote, Bull. Geol. Surv. Terr., iv, 183, 1878; Smith, C. 296. — Cal.

2588. **diva** Grote, Bull. Buff. Soc., i, 150, 1873; Smith, C. 296. — Cal.

*2589. **pustulata** Hy. Edwards, Pap., i, 23, 1881; Smith, C. 297. — Ariz.

*2590. **domina** Hy. Edwards, Proc. Cal. Acad. Sci., vi, 138, 1875; Smith, C. 297. — Cal.

*2591. **germana** Hy. Edwards, Proc. Cal. Acad. Sci., vi, 138, 1875; Smith, C. 296. — Cal.

2592. **decia** Grote, Can. Ent., vii, 47, 1875; Smith, C. 296. — Cal.

syn. *amicula* Hy. Edwards.

*2593. **depicta** Grote, Bull. Buff. Soc., i, 159, 1873; Smith, C. 296. — Cal.

2594. **salicis** Hy. Edwards, Pap., i, 23, 1881; Smith, C. 297. — Cal.

syn. *arcalis* Hy. Edwards.

*2595. **lithosina** Hy. Edwards, Proc. Cal. Acad. Sci., vi, 137, 1875; Smith, C. 297. — Cal.

2596. **mera** Harvey, Bull. Buff. Soc., ii, 277, 1875; Smith, C. 297. — Cal.

2597. **danistica** Grote, Bull. Buff. Soc., i, 151, 1873; Smith, C. 297. — Nev., Cal.

INCITA Grote.

Grote, Abh. nat. Ver. Brem., xiv, 112, 1895.

2598. **aurantiaca** Hy. Edwards, Pap., i, 23, 1881; Smith, C. 297. — Cal.

TRICHOTARACHE Grote.

Grote, Can. Ent., vii, 48, 1875.

*2599. **assimilis** Grote, Can. Ent., vii, 48, 1875; Smith, C. 298. — Cal.

EUSTROTIA Hübner.

Hübner, Verz. bek. Schmett., 253, 1816; *Erastria* Ochsenheimer (not Hübner).

*2600. **malaca** Grote, Trans. Am. Ent. Soc., iv, 296, 1873; Smith, C. 309. — Pa.

2601. **albidula** Guenée, Spec. Gén., vi, 230, 1852; Smith, C. 309. — Atl. States.

*2602. **secta** Grote, Can. Ent., xi, 199, 1879; Smith, C. 310. — Mass.

2603. **flaviguttata** Grote, Can. Ent., xiv, 187, 1882; Smith, C. 310. — Tex.

2604. **concinnimacula** Guenée, Spec. Gén., vi, 238, 1852; Smith, C. 310. — Atl. States.

a. **parvimacula** Grote, No. Am. Ent., i, 66, 1880.

2605. **synochitis** Grote & Robinson, Trans. Am. Ent. Soc., i, 357, 1868; Smith, C. 310. — Atl. States.

2606. **musta** Grote & Robinson, Trans. Am. Ent. Soc., i, 358, 1868; Smith, C. 311. — Atl. States.

2607. **muscoscula** Guenée, Spec. Gén., vi, 230, 1852; Smith, C. 311. — Atl. States.

*2608. **retis** Grote, Can. Ent., xi, 198, 1879; Smith, C. 311. — Pa.

*2609. **distincta** Grote, Pap., ii, 184, 1882; Smith, C. 311. — Ariz.

2610. **caduca** Grote, Can. Ent., viii, 207, 1876; Smith, C. 311. — Atl. States.

2611. **propera** Grote, Pap., ii, 132, 184, 1882; Smith, C. 311. — Ariz.

2612. **apicosa** Haworth, Lep. Brit., 261, 1812; Smith, C. 311. — Atl. States.

syn. *nigritula* Guenée.

2613. **carneola** Guenée, Spec. Gén., vi, 228, 1852; Smith, C. 312. — Atl. States.

syn. *biplaga* Walker.

*2614. **strigulataria** Smith, Jn. N. Y. Ent. Soc., viii, 173, 1900. — Fla.

*2615. **dividua** Grote, No. Am. Ent., i, 46, 1880; Smith, C. 312. — Tex.

2616. **æria** Grote, Pap., i, 11, 1881; Smith, C. 312. — Wis., Ala.

2617. **includens** WALKER, Cat. Brit. Mus., xii, 813, 1857; SMITH, C. 312. — No. Atl. States.

syn. *norma* MORRISON, *pentia* MORRISON, *matrix* GROTE.

GALGULA Guenée.

GUENÉE, Spec. Gén., vi, 239, 1852.

2618. **hepara** GUENÉE, Spec. Gén., vi, 239, 1852; SMITH, C. 314. — Atl. States.

syn. *externa* WALKER.

a. **partita** GUENÉE, Spec. Gén., vi, 239, 1852.

syn. *vesca* MORRISON, *subpartita* GUENÉE.

ESCARIA Grote.

GROTE, Pap., ii, 186, 1882.

2619. **clauda** GROTE, Pap., ii, 186, 1882; SMITH, C. 302. — Ariz.

AZENIA Grote.

GROTE, Pap., ii, 186, 1882.

2620. **implora** GROTE, Pap., ii, 186, 1882; SMITH, C. 302. — Ariz.

*2621. **edentata** GROTE, Can. Ent., xv, 25, 1883; SMITH, C. 302. — Ariz.

LITHACODIA Hübner.

HÜBNER, Verz. bek. Schmett., 205, 1816.

2622. **bellicula** HÜBNER, Zutr. exot. Schmett., f. 85, 1818; SMITH, C. 309. — Atl. States, Col.

PROTHYMIA Hübner.

HÜBNER, Verz. bek. Schmett., 282, 1816.

2623. **rhodarialis** WALKER, Cat. Brit. Mus., xix, 860, 1859; SMITH, C. 307. — Atl. States.

syn. *coccineifascia* GROTE.

2624. **semipurpurea** WALKER, Cat. Brit. Mus., xxxiii, 803, 1865; SMITH, C. 307. — Atl. States.

syn. *confinisalis* WALKER, *rosalba* GROTE.

*2625. **plana** GROTE, Pap., ii, 184, 1882; SMITH, C. 307. — Ariz.

2626. **orgyiæ** GROTE, Trans. Am. Ent. Soc., v, 116, 1875; SMITH, C. 307. — Tex.

syn. *subolivacea* HARVEY.

EXYRA Grote.

Grote, Check List Noct., 26, 1875.

2627. **semicrocea** Guenée, Spec. Gén., vi, 241, 1852; Smith, C. 306. — Atl. States.

2628. **ridingsii** Riley, Trans. St. Louis Acad. Sci., iii, 240, 1874; Smith, C. 306. — So. States.
syn. *nigrocaput* Morrison.

*2629. **fax** Grote, Trans. Am. Ent. Soc., iv, 295, 1873; Smith, C. 306. — So. States.

2630. **rolandiana** Grote, Psyche, ii, 38, 1877; Smith, C. 306. — Atl. States.

XANTHOPTERA Guenée.

Guenée, Spec. Gén., vi, 240, 1852.

2631. **nigrofimbria** Guenée, Spec. Gén., vi, 241, 1852; Smith, C 303. — So. Atl. States.

*2632. **clausula** Grote, Pap., ii, 186, 1882; Smith, C. 303. — Ariz.

2633. **semiflava** Guenée, Spec. Gén., vi, 241, 1852; Smith, C. 303. — So. States.

*2634. **subcitrinalis** Hulst, Trans. Am. Ent. Soc., xiii, 157, 1886; Smith, C. 304. — Ariz.

THALPOCHARES Lederer.

Lederer, Verh. zool.-bot. Ges. Wien, iv, 368, 1853.

*2635. **ætheria** Grote, No. Am. Ent., i, 47, 1879; Smith, C. 313. — Fla.

EUMESTLETA Butler.

Butler, Ent., xxv, 189, 1892.

2636. **flammicincta** Walker, Cat. Brit. Mus., xxxiii, 801, 1865; Smith, C. 313. — Tex., Fla.
syn. *patula* Morrison, *patrudis* Grote.

2637. **carmelita** Morrison, Proc. Acad. Nat. Sci. Phil., 434, 1875; Smith, C. 313. — Tex., Miss., Cal.

2638. **mundula** Zeller, Verh. zool.-bot. Ges. Wien, xxii, 460, 1872; Smith, C. 313. — Tex.

2639. **daria** Druce, Biol. Cent. Am., Lep. Het., ii, 497, 1898; Smith, Proc. U. S. Nat. Mus., xxii, 490, 1900. — Ariz., Mex.

*2640. **orba** Grote, Can. Ent., ix, 68, 1877; Smith, C. 314. — Ala.

*2641. **fortunata** GROTE. Can. Ent., xiv, 171, 1882; SMITH, C. 314. — Ariz.

*2642. **perita** GROTE, Can. Ent., xiv, 171, 1882; SMITH, C. 314. — Ariz.

GYROS Hy. Edwards.

HY. EDWARDS, Pap., i, 177, 1881.

*2643. **muirii** HY. EDWARDS, Pap., i, 22, 117, 1881; SMITH, C. 315. — Cal.

TRIPUDIA Grote.

GROTE, Can. Ent., ix, 70, 1877.

2644. **flavofasciata** GROTE, Can. Ent., ix, 70, 1877; SMITH, C. 314. — Rocky Mts., Tex., Ala.

syn. *versutus* HY. EDWARDS.

2645. **quadrifera** ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 425, 1874; SMITH, C. 315. — Tex., Mo., Mex.

2646. **limbata** HY. EDWARDS, Pap., i, 22, 1881; SMITH, C. 315. — Tex., Mex.

2647. **opipara** HY. EDWARDS, Pap., i, 117, 1881; SMITH, C. 315. — Tex.

2648. **luda** DRUCE, Biol. Cent. Am., Lep. Het., ii, 491, 1898; SMITH, Proc. U. S. Nat. Mus., xxii, 489, 1900. — Ariz., Mex.

*2649. **basicinerea** GROTE, Bull. Geol. Surv. Terr., vi, 563, 1882; SMITH, C. 315. — Ariz.

2650. **lixivia** GROTE, Can. Ent., xiv, 173, 1882; SMITH, C. 315. — Ariz.

2651. **luxuriosa** SMITH, Proc. U. S. Nat. Mus., xxii, 490, 1900. — Ariz.

2652. **balteata** SMITH, Proc. U. S. Nat. Mus., xxii, 489, 1900. — Ariz.

METOPONIA Duponchel.

DUPONCHEL, Cat. Lep. Méth. Eur., iii, 45, 1844.

2653. **obtusa** HERRICH-SCHAEFFER, Samml. ausser. Schmett., f. 210, 1844; SMITH, C. 316. — So. Atl. States.

2654. **perflava** HARVEY, Bull. Buff. Soc., iii, 11, 1875; SMITH, C. 316. — Tex.

2655. **macula** SMITH, Trans. Am. Ent. Soc., xviii, 132, 1891; C. 316. — N. Mex.

CHAMYRIS Guenée.

Guenée, Spec. Gén., vi, 225, 1852.

2656. **cerintha** Treitschke, Schmett. Eur., v, 240, 1825; Smith, C. 301. — Atl. States.

TORNACONTIA Smith.

Smith, Trans. Am. Ent. Soc., xxvii, 55, 1900.

2657. **sutrix** Grote, Can. Ent., xii, 154, 1880; Smith, C. 299. — Rocky Mts.

2658. **megocula** Smith, Trans. Am. Ent. Soc., xxvii, 58, 1900. — So. Cal.

THERASEA Grote.

Grote, Abh. nat. Ver. Brem., xiv, 118, 1895; *Conacontia* Smith, Trans. Am. Ent. Soc., xxvii, 55, 1900.

2659. **flavicosta** Smith, Trans. Am. Ent. Soc., xxvii, 58, 1900. — Rocky Mts.

2660. **angustipennis** Grote, Proc. Acad. Nat. Sci. Phil., 426, 1875; Smith, C. 299. — Rocky Mts., Cal., Tex.

TARACHE Hübner.

Hübner, Verz. bek. Schmett., 261, 1816.

2661. **terminimacula** Grote, Bull. Buff. Soc., i, 153, 1873; Smith, C. 301. — Atl. States.

2662. **delecta** Walker, Cat. Brit. Mus., xii, 799, 1857; Smith, C. 301. — Atl. States.
syn. *metallica* Grote.

2663. **flavipennis** Grote, Bull. Buff. Soc., i, 153, 1873; Smith, C. 298. — Pac. States.

2664. **abdominalis** Grote, Can. Ent., ix, 157, 1877; Smith, C. 298. — Tex., Kans.

2665. **lactipennis** Harvey, Bull. Buff. Soc., iii, 10, 1875; Smith, C. 300. — Tex.

2666. **major** Smith, Trans. Am. Ent. Soc., xxvii, 64, 1900. — Col.

2667. **expolita** Grote, Pap., ii, 131, 1882; Smith, C. 298. — Ariz.

2668. **lan eolata** Grote, Can. Ent., xi, 198, 1879; Smith, C. 299. — Tex.

*2669. **gonella** Strecker, Lep. Rhop. Het., suppl. 1, 11, 1898; Smith, Trans. Am. Ent. Soc., xxvii, 66, 1900. — Ariz., N. Mex.

*2670. **sedata** Hy. Edwards, Pap., i, 23, 1881; Smith, C. 300.	Ariz., Tex.
2671. **nuicola** Smith, Trans. Am. Ent. Soc., xxvii, 67, 1900.	Tex.
2672. **lucasi** Smith, Trans. Am. Ent. Soc., xxvii, 68, 1900.	Cal.
2673. **biplaga** Guenée, Spec. Gén., vi, 218, 1852; Smith, C. 298.	So. States.
2674. **aprica** Hübner, Schmett. Eur., Noct., f. 371, 1803; Smith, C. 298.	So. States.
*2675. **areli** Strecker, Lep. Rhop. Het., suppl. 1, 11, 1898.	Rocky Mts.
2676. **erastrioides** Guenée, Spec. Gén., vi, 218, 1852; Smith, C. 299.	Atl. States.
2677. **quadriplaga** Smith, Trans. Am. Ent. Soc., xxvii, 72, 1900.	Tex., N. Mex.
2678. **schwarzi** Smith, Trans. Am. Ent. Soc., xxvii, 73, 1900.	Ariz.
2679. **arida** Smith, Trans. Am. Ent. Soc., xxvii, 73, 1900.	Col., Ariz.
2680. **coquilletti** Smith, Trans. Am. Ent. Soc., xxvii, 74, 1900.	Cal.
2681. **neocula** Smith, Trans. Am. Ent. Soc., xxvii, 75, 1900.	N. Mex.
2682. **cretata** Grote & Robinson, Trans. Am. Ent. Soc., iii, 181, 1868; Smith, C. 300.	Tex., Col.
2683. **behrii** Smith, Trans. Am. Ent. Soc., xxvii, 76, 1900.	Cal.
2684. **elegantula** Harvey, Can. Ent., viii, 55, 1876; Smith, C. 300.	Rocky Mts.
syn. *arizonæ* Hy. Edwards, *seminivalis* Hulst.	
2685. **virginalis** Grote, Can. Ent., xiii, 15, 1881; Smith, C. 300.	Ariz.
2686. **binocula** Grote, Can. Ent., vii, 224, 1875; Smith, C. 300.	Ariz., Tex.
2687. **meskei** Smith, Trans. Am. Ent. Soc., xxvii, 79, 1900.	Tex.
2688. **tenuicola** Morrison, Proc. Bost. Soc. Nat. Hist., xvii, 218, 1874; Smith, C. 299.	Tex.
2689. **libedis** Smith, Trans. Am. Ent. Soc., xxvii, 80, 1900.	Col., N. Mex.

2690. **neomexicana** SMITH, Trans. Am. Ent. Soc., xxvii, 81, 1900. — Tex.

2691. **candefacta** HÜBNER, Zutr. exot. Schmett., f. 587, 1823; SMITH, C. 299. — Atl. States.
syn. *debilis* WALKER.

*2692. **ardoris** HÜBNER, Zutr. exot. Schmett., f. 551, 1823; SMITH, C. 301. — Ga.

*2693. **niveicollis** SMITH, Jn. N. Y. Ent. Soc., x, 51, 1902. — Cal.

*2694. **semiatra** SMITH, Jn. N. Y. Ent. Soc., x, 52, 1902. — Ariz.

*2695. **tenuescens** SMITH, Jn. N. Y. Ent. Soc., x, 53, 1902. — Fla.

FRUVA Grote.

GROTE, Can. Ent., ix, 69, 1877.

2696. **tortricina** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 461, 1872; SMITH, C. 306. — Tex., Kans.
syn. *fasciatella* GROTE, *obsoleta* GROTE; SMITH, C. 302; *inornata* GROTE.

*2697. **acerba** HY. EDWARDS, Pap., i, 24, 1881; SMITH, C. 302. — Cal.

*2698. **modesta** HY. EDWARDS, Pap., iv, 124, 1884; SMITH, C. 302. — Nev.

2699. **apicella** GROTE, Trans. Am. Ent. Soc., iv, 21, 1872; SMITH, C. 302. — So. States.
syn. *truncatula* ZELLER, *accepta* HY. EDWARDS.

*2700. **parvula** WALKER, Cat. Brit. Mus., xxxiii, 779, 1865; SMITH, C. 303. — Ariz.
syn. *georgica* GROTE.

*2701. **deleta** HY. EDWARDS, Pap., iv, 124, 1884; SMITH, C. 303. — Nev., Can.

SPRAGUEIA Grote.

GROTE, Check List Noct., 25, 1875.

2702. **onagrus** GUENÉE, Spec. Gén., vi, 205, 1852; SMITH, C. 304. — So. States.

2703. **leo** GUENÉE, Spec. Gén., vi, 205, 1852; SMITH, C. 304. — So. States.

*2704. **magnifica** GROTE, Pap., ii, 183, 1882; SMITH, C. 304. — Ariz.

2705. **plumbifimbriata** GROTE, Can. Ent., ix, 68, 1877; SMITH, C. 304. — Tex.

*2706. **obatra** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 124, 1875; SMITH, C. 304. — So. States.

2707. **dama** GUENÉE, Spec. Gén., vi, 205, 1852; SMITH, C. 305. — So. States.

syn. *trifariana* WALKER.

*2708. **transmutata** WALKER, Cat. Brit. Mus., xxxiii, 776, 1865; SMITH, C. 305. — Fla.

syn. *pardalis* GROTE.

2709. **funeralis** GROTE, Pap., i, 158, 1881; SMITH, C. 305. — Ariz.

2710. **sordida** GROTE, Can. Ent., xiv, 217, 1882; SMITH, C. 305. — Tex.

2711. **guttata** GROTE, Can. Ent., vii, 224, 1875; SMITH, C. 305. — Tex.

CALLOPISTRIA Hübner.

HÜBNER, Verz. bek. Schmett., 216, 1816.

2712. **floridensis** GUENÉE, Spec. Gén., vi, 192, 1852; SMITH, C. 309. — Fla.

*2713. **strena** GROTE, Abh. nat. Ver. Brem., xiv, 119, 1895. — Ariz.

METATHORASA Moore.

MOORE, Proc. Zool. Soc. Lond., 374, 1881.

*2714. **argentilinea** WALKER, Cat. Brit. Mus., xii, 863, 1857; SMITH, C. 308. — So. Atl. States.

2715. **monitifera** GUENÉE, Spec. Gén., vi, 295, 1852; SMITH, C. 308. — Atl. States.

EUHERRICHIA Grote.

GROTE, Pap., ii, 122, 1882.

2716. **mollissima** GUENÉE, Spec. Gén., vi, 294, 1852; SMITH, C. 308. — Atl. States.

syn. *rubicunda* WALKER.

*2717. **granitosa** GUENÉE, Spec. Gén., vi, 195, 1852; SMITH, C. 308. — So. States.

*2718. **cervina** HY. EDWARDS, Ent. Amer., vi, 114, 1890; SMITH, C. 308. — Cal., Col.

CYDOSIA Westwood.

WESTWOOD, Nat. Lib. Exot. Moths, xxxvii, 193, 1841; SMITH, Proc. U. S. Nat. Mus., xi, 187, 1888; *Penthetria* HY. EDWARDS, Pap., i, 80, 1881; *Tantura* KIRBY, Cat. Lep. Het., i, 86, 1892.

2719. **imitella** STRETCH, Zyg. Bomb. No. Am., i, 163, 1873; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 154, 1893; DRUCE, Biol. Cent. Am., Lep. Het., ii, 402, 1897. — So. States.

2720. **aurivitta** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 186, 1868; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 154, 1893. — So. States.

2721. **majuscula** HY. EDWARDS, Pap., i, 80, 1881; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 113, 1893; DYAR, Jn. N. Y. Ent. Soc., vi, 41, 1898. — So. States.

CERATHOSIA Smith.

SMITH, Ent. Amer., iii, 79, 1887.

2722. **tricolor** SMITH, Ent. Amer., iii, 79, 1887; GROTE, Ent. Amer., iv, 121, 1888; SMITH, Ent. Amer., iv, 122, 1888; GROTE, Can. Ent., xxi, 37, 1889; SMITH, Ent. Amer., v, 8, 119, 1889; HULST, Ent. Amer., v, 118, 1889; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 155, 1893; DYAR, Psyche, viii, 154, 1897. — Tex.

HORMOSCHISTA Möschler.

MÖSCHLER, Abh. Senck. Ges., 221, 1890.

2723. **pagenstecheri** MÖSCHLER, Abh. Senck. Ges., 221, 1890. — Ala., Porto Rico.

PHALÆNOSTOLA Grote.

GROTE, Trans. Am. Ent. Soc., iv, 302, 1873.

2724. **larentioides** GROTE, Trans. Am. Ent. Soc., iv, 302, 1873; SMITH, C. 377. — So. Atl. States.

a. **citima** GROTE, Trans. Am. Ent. Soc., iv, 303, 1873.

PANGRAPTA Hübner.

HÜBNER, Verz. bek. Schmett., 343, 1816.

2725. **decoralis** HÜBNER, Zutr. exot. Schmett., f. 93, 1818; SMITH, C. 377. — Atl. States.

syn. *geometroides* GUENÉE, *epionoides* GUENÉE, *elegantalis* FITCH, *recusans* WALKER.

SYLECTRA Hübner.

HÜBNER, Verz. bek. Schmett., 341, 1816.

2726. **erycata** CRAMER, Pap. Exot., pl. 287, f. D, 1782; SMITH, C. 376. — Fla., So. Am.

syn. *mirandalis* HÜBNER.

HYAMIA Walker.

WALKER, Cat. Brit. Mus., xvi, 234, 1858; *Spargaloma* GROTE.

2727. **sexpunctata** GROTE, Trans. Am. Ent. Soc., iv, 300, 1873; DYAR, Jn. N. Y. Ent. Soc., iv, 145, 1896. — Atl. States.

2728. **perditalis** WALKER, Cat. Brit. Mus., xvi, 234, 1858; SMITH, C. 346. — Atl. States.

syn. *semilineata* WALKER, *umbrifascia* GROTE.

*2729. **punctipennis** GROTE, Can. Ent., xv, 122, 1883; SMITH, C. 376. — Ariz.

MELANOMMA Grote.

GROTE, Trans. Am. Ent. Soc., v, 117, 1875; HULST, Trans. Am. Ent. Soc., xxiii, 294, 1896.

2730. **auricinctaria** GROTE, Trans. Am. Ent. Soc., v, 117, 1875; Bull. Geol. Surv. Ter., iv, 674, 1878; DYAR, Can. Ent., xxx, 257, 1898. — Atl. States.

ARGILLOPHORA Grote.

GROTE, Bull. Buff. Soc., i, 124, 1873; SMITH, C. 375.

*2731. **furcilla** GROTE, Bull. Buff. Soc., i, 124, 1873; SMITH, C. 375. — Ala.

PARORA Smith.

SMITH, Proc. U. S. Nat. Mus., xxii, 49, 1900.

2732. **texana** SMITH, Proc. U. S. Nat. Mus., xxii, 491, 1900. — Tex.

HOMOPYRALIS Grote.

GROTE, Proc. Acad. Nat. Sci. Phil., 213, 1874.

2733. **discalis** GROTE, Can. Ent., viii, 206, 1876; SMITH, C. 374. — Atl. States.

2734. **contracta** WALKER, Can. Nat. Geol., v, 258, 1869; SMITH, C. 374. — Atl. States.

syn. *zonata* WALKER, *tactus* GROTE.

2735. **tantillus** GROTE, Proc. Acad. Nat. Sci. Phil., 214, 1874; SMITH, C. 375. — Atl. States.

2736. **monodia** DYAR (like *tantillus*, but blacker, nearly uniform, the lines fine, white, punctate). — So. Atl. States.

2737. **miserulata** GROTE, Can. Ent., xiv, 185, 1882; SMITH, C. 375. — N. Mex.

AGASSIZIA Behr.

Behr, Trans. Am. Ent. Soc., iii, 23, 1870.

*2738. **urbicola** Behr, Trans. Am. Ent. Soc., iii. 23. 1870; Smith, C. 366. — Cal.

ISOGONA Guenée.

Guenée, Spec. Gén., vii, 322, 1852; *Eudoreuma* Grote.

*2739. **natatrix** Guenée, Spec. Gén., vii, 323, 1852; Smith, C. 365. — So. Atl. States.
syn. *tenuis* Grote, Trans. Am. Ent. Soc., iv. 22, 1872.

HYPSOROPHA Hübner.

Hübner, Verz. bek. Schmett., 249, 1816.

2740. **monilis** Fabricius, Spec. Ins., ii, 219, 1782; Smith, C. 260. — So. States.

2741. **hormos** Hübner, Zutr. exot. Schmett., f. 27, 1818; Smith, C. 260. — So. Atl. States.

HYBLÆA Fabricius.

Fabricius, Ent. Syst., iii, 2, 127, 1793.

2742. **puera** Cramer, Pap. Exot., pl. 103, f. D, 1779; Smith, C. 316. — Fla., Antilles.
syn. *saga* Fabricius, *mirificum* Strecker.

Subfamily CATOCALINÆ.

CISSURA Walker.

Walker, Cat. Brit. Mus., ix, 153, 1856; *Synedoida* Hy. Edwards.

2743. **spadix** Cramer, Pap. Exot., pl. 275, f. F, 1780; Smith, C. 320. — Tex.
syn. *vegeta* Morrison; Smith, C. 207, 320.

*2744. **mucronata** Grote, Can. Ent., xv. 121, 1883; Smith, C. 321. — Ariz.

2745. **inepta** Hy. Edwards, Pap., i, 27, 1881; Smith, C. 321. — Col.
syn. *morbosa* Hy. Edwards.

*2746. **biformata** Hy. Edwards, Pac. Coast Lep., no. 29, 9, 1878; Smith, C. 321. — Cal.

2747. **scropulosa** Hy. Edwards, Pac. Coast Lep., no. 29, 9, 1878; Smith, C. 321. — Col., Cal.

2748. **insperata** GROTE, Can. Ent., xiv, 176, 1882; SMITH, C. 321. — Ariz.

2749. **ægrotata** HY. EDWARDS, Pap., iv, 47, 1884; SMITH, C. 321. — Ariz.

2750. **sabulosa** HY. EDWARDS, Pap., i, 26, 1881; SMITH, C. 321. — Col.

*2751. **cervina** HY. EDWARDS, Pap., ii, 129, 1882; SMITH, C. 320. — Ariz.

2752. **subtermina** SMITH, Proc. U. S. Nat. Mus., xxii, 492, 1900. — Cal.

ULOSYNEDA Smith.

Differs from *Cissura* by the plump woolly body, woolly thoracic vestiture, short weak legs, shorter palpi, narrower primaries and pectinated male antennæ; allied with *Cænurgia*.—JOHN B. SMITH.

2753. **valens** HY. EDWARDS, Pap., i, 119, 1881; SMITH, C. 321. — Utah, Col.

DRASTERIA Hübner.

HÜBNER, Verz. bek. Schmett., 280, 1816.

2754. **erechtea** CRAMER, Pap. Exot., pl. 275, f. E, 1782; SMITH, C. 316. — Atl. States, Col.

syn. *sobria* WALKER, *narrata* WALKER, *patibilis* WALKER, *agricola* GROTE & ROBINSON, *mundula* GROTE & ROBINSON.

2755. **crassiuscula** HAWORTH, Lep. Brit., 259, 1810; SMITH, C. 317. — Atl. States, Col.

syn. *erichto* GUENÉE.

a. **ochrea** GROTE, Bull. Buff. Soc., i, 155, 1873.

b. **distincta** NEUMOEGEN, Pap., iii, 143, 1883.

2756. **cærulea** GROTE, Bull. Buff. Soc., i, 155, 1873; SMITH, C. 318. — Pac. States.

syn. *aquamarina* FELDER.

2757. **conspicua** SMITH, Can. Ent., xxxii, 224, 1900. — Alberta.

CÆNURGIA Walker.

WALKER, Cat. Brit. Mus., xiv, 1491, 1858; *Litosea* GROTE.

2758. **convalescens** GUENÉE, Spec. Gén., vii, 289, 1852; SMITH, C. 318. — Atl. States.

syn. *socors* WALKER, *purgata* WALKER.

2759. **adversa** GROTE, Can. Ent., vii, 49, 1875; SMITH, C. 318. — Cal.

EUCLIDIA Ochsenheimer.

Ochsenheimer, Schmett. Eur., iv, 96, 1816.

2760. **cuspidea** Hübner, Zutr. exot. Schmett., f. 69, 1818; Smith, C. 319. — Atl. States.

*2761. **annexa** Hy. Edwards, Ent. Amer., vi, 115, 1890; Smith, C. 319. — Oreg.

2762. **intercalcaris** Grote, Bull. Geol. Surv. Terr., vi, 563, 1882; Smith, C. 319. — N. Mex.

2763. **diagonalis** Dyar, Jn. N. Y. Ent. Soc., vi, 41, 1898. — N. Mex.

PANULA Guenée.

Guenée, Spec. Gén., vii, 59, 1852.

2764. **inconstans** Guenée, Spec. Gén., vii, 59, 1852; Smith, C. 320. — So. States.

*2765. **remigipila** Guenée, Spec. Gén., vii, 60, 1852; Smith, C. 320. — Fla.?

MELIOPOTIS Hübner.

Hübner, Verz. bek. Schmett., 260, 1816.

2766. **fasciolaris** Hübner, Zutr. exot. Schmett., f. 443, 1823; Smith, C. 326. — So. States? Antilles.
syn. *lunearis* Guenée.

2767. **nigrescens** Grote & Robinson, Proc. Ent. Soc. Phil., vi, 20, 1866; Smith, C. 326. — Tex., Col.
syn. *ochreipennis* Harvey.

2768. **pallescens** Grote & Robinson, Proc. Ent. Soc. Phil., vi, 21, 1866; Smith, C. 327. — Tex., Col.

2769. **limbolaris** Geyer, Zutr. exot. Schmett., f. 689, 1825; Smith, C. 327. — Atl. States.
syn. *grandirena* Haworth.

*2770. **tenella** Hy. Edwards, Pap., i, 26, 1881; Smith, C. 328. — Tex.

*2771. **stygialis** Grote, Bull. Geol. Surv., iv, 184, 1878; Smith, C. 328. — Ill., Tex.

*2772. **versabilis** Harvey, Can. Ent., ix, 94, 1877; Smith, C. 328. — Tex.

2773. **perlæta** Hy. Edwards, Pap., ii, 14, 1882; Smith, C. 327. — Ariz.

2774. **jucunda** HÜBNER, Zutr. exot. Schmett., f. 81, 1818; SMITH, C. 328. — Atl. States, Col.

syn. *cinis* GUENÉE, *agrotipennis* HARVEY, *hadeniformis* BEHR, Trans. Am. Ent. Soc., iii, 25, 1870; SMITH, C. 327.

2775. **sinualis** HARVEY, Can. Ent., ix, 94, 1877; SMITH, C. 328. — Tex.

HYPOGRAMMA Guenée.

GUENÉE, Spec. Gén., vii, 34, 1852.

*2776. **andromedæ** GUENÉE, Spec. Gén., vii, 84, 1852; SMITH, C. 328. — Ga.

CIRRHBOLINA Grote.

GROTE, Trans. Am. Ent. Soc., v, 117, 1875.

2777. **deducta** MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 220, 1874; SMITH, C. 325. — Tex.

syn. *pavitensis* MORRISON.

2778. **mexicana** BEHR, Trans. Am. Ent. Soc., iii, 27, 1870; SMITH, C. 325. — S.-W. U. S.

syn. *incandescens* GROTE.

a. **vulpina** HY. EDWARDS, Pap., ii, 14, 1882.

*2779. **perfecta** HY. EDWARDS, Pap., iv, 46, 1884; SMITH, C. 326. — Ariz.

*2780. **tetrica** HY. EDWARDS, Pac. Coast Lep., no. 29, 10, 1878; SMITH, C. 326. — Cal.

SYNEDA Guenée.

GUENÉE, Spec. Gén., vii, 71, 1852.

2781. **graphica** HÜBNER, Zutr. exot. Schmett., f. 11, 1818; SMITH, C. 322. — Atl. States.

syn. *capticola* WALKER.

a. **media** MORRISON, Proc. Bost. Soc. Nat. Hist., xviii, 125, 1875.

2782. **divergens** BEHR, Trans. Am. Ent. Soc., iii, 27, 1870; SMITH, C. 323. — Cal.

*2783. **petricola** WALKER, Cat. Brit. Mus., xiv, 1462, 1858; SMITH, C. 323. — Rocky Mts.

2784. **alleni** GROTE, Can. Ent., ix, 215, 1877; SMITH, C. 323. — No. Atl. States, Col.

syn. *saxea* HY. EDWARDS.

2785. **adumbrata** BEHR, Trans. Am. Ent. Soc., iii, 27, 1870; SMITH, C. 323. — Cal., Rocky Mts

2786. **seposita** Hy. Edwards, Pap., i, 25, 1881; Smith, C. 323. — Col., Utah.

2787. **socia** Behr, Trans. Am. Ent. Soc., iii, 27, 1870; Smith, C. 323. — Cal., Col.

2788. **ochracea** Behr, Trans. Am. Ent. Soc., iii, 25, 1870; Smith, C. 324. — Cal.

*2789. **mirifica** Hy. Edwards, Pac. Coast Lep., no. 29, 8, 1878; Smith, C. 324. — Nev.

2790. **tejonica** Behr, Trans. Am. Ent. Soc., iii, 26, 1870; Smith, C. 324. — Cal., Col.

2791. **ingeniculata** Morrison, Proc. Acad. Nat. Sci. Phil., 435, 1875; Smith, C. 325. — Tex.

2792. **hastingsii** Hy. Edwards, Pac. Coast Lep., no. 29, 8, 1878; Smith, C. 324. — Oreg., Cal.

a. **perpallida** Hy. Edwards, Pap., i, 25, 1881.

*2793. **maculosa** Behr, Trans. Am. Ent. Soc., iii, 26, 1870; Smith, C. 324. — Cal.

*2794. **faceta** Hy. Edwards, Pap., i, 119, 1881; Smith, C. 324. — Fla.

2795. **howlandii** Grote, Proc. Ent. Soc. Phil., iii, 533, 1864; Smith, C. 324. — Rocky Mts., Cal.

syn. *stretchii* Behr.

2796. **edwardsii** Behr, Trans. Am. Ent. Soc., iii, 28, 1870; Smith, C. 325. — Cal.

*2797. **nubicola** Behr, Trans. Am. Ent. Soc., iii, 25, 1870; Smith, C. 324. — Cal.

*2798. **perplexa** Hy. Edwards, Pap., iv, 47, 1884; Smith, C. 325. — Ariz.

*2799. **hudsonica** Grote & Robinson, Proc. Ent. Soc. Phil., iv, 494, 1865; Smith, C. 322. — Can., Mont.

*2800. **athabasca** Neumoegen, Pap., iii, 143, 1883; Smith, C. 322. — B. C.

*2801. **occulta** Hy. Edwards, Pap., i, 118, 1881; Smith, C. 323. — Tex.

*2802. **fumosa** Strecker, Lep. Rhop. Het., suppl. 1, 12, 1898. — Ariz.

*2803. **flavofasciata** Strecker, Lep. Rhop. Het., suppl. 1, 12, 1898. — Ariz.

*2804. **nigromarginata** Strecker, Lep. Rhop. Het., suppl. 1, 11, 1898. — Ariz.

*2805. **decepta** Strecker, Lep. Rhop. Het., suppl. 1, 11, 1898. — Col.

CATOCALA Schrank.

SCHRANK, Faun. Boica, ii, 2, 158, 1802.

2806. **epione** DRURY, Ill. Exot. Ent., i, 46, 1773; SMITH, C. 347. — Atl. States.

2807. **sappho** STRECKER, Lep. Rhop. Het., 95, 1874; SMITH, C. 352. — So. States, Ill.

2808. **agrippina** STRECKER, Lep. Rhop. Het., 95, 1874; SMITH, C. 352. — So. States.

*2809. **subviridis** HARVEY, Can. Ent., ix, 193, 1877; SMITH, C. 353. — Tex.

2810. **lacrymosa** GUENÉE, Spec. Gén., vii, 93, 1852; SMITH, C. 352. — Atl. States.

a. **ulalume** STRECKER, Lep. Rhop. Het., 132, 1877; SMITH, C. 352.

b. **paulina** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 54, 1880.

c. **emilia** HY. EDWARDS, Pap., i, 117, 1881.

d. **evelina** FRENCH, Pap., i, 110, 1881.

e. **zelica** FRENCH, Pap., i, 111, 1881.

2811. **viduata** GUENÉE, Spec. Gén., vii, 94, 1852; SMITH, C. 352. — So. Atl. States.

syn. *mæstosa* HULST, *guenéei* GROTE.

*2812. **moderna** GROTE, Can. Ent., xxxii, 191, 1900. — Tex.

2813. **vidua** SMITH & ABBOT, Lep. Ins. Ga., ii, 181, 1797; SMITH, C. 351. — Atl. States.

syn. *desperata* GUENÉE.

*2814. **dejecta** STRECKER, Bull. Brook. Ent. Soc., ii, 97, 1880; SMITH, C. 351. — So. Atl. States.

2815. **retecta** GROTE, Trans. Am. Ent. Soc., iv, 4, 1872; SMITH, C. 351. — Atl. States.

a. **luctuosa** HULST, Bull. Brook. Ent. Soc., vii, 32, 53, 1884.

2816. **flebilis** GROTE, Trans. Am. Ent. Soc., iv, 4, 1872. — Atl. States.

2817. **robinsonii** GROTE, Trans. Am. Ent. Soc., iv, 20, 1872; SMITH, C. 351. — Atl. States.

a. **curvata** FRENCH, Pap., i, 218, 1881.

*2818. **barnesii** FRENCH, Can. Ent., xxxii, 190, 1900. — Tex.

2819. **obscura** STRECKER, Lep. Rhop. Het., 19, 1873; SMITH, C. 353. — Atl. States.

a. **simulatilis** GROTE, Trans. Am. Ent. Soc., v, 95, 1873.

2820. **residua** GROTE, Proc. Bost. Soc. Nat. Hist., xvi, 242, 1874; SMITH, C. 353. — Atl. States.

2821. **insolabilis** GUENÉE, Spec. Gén., vii, 94, 1852; SMITH, C. 353. — Atl. States.

2822. **angusi** GROTE, Can. Ent., viii, 229, 1876; SMITH, C. 353. — Atl. States.

a. **lucetta** HY. EDWARDS, French, Cat. Ill., 4, 1882.

2823. **judith** STRECKER, Lep. Rhop. Het., 95, 1874; SMITH, C. 350. — Atl. States.

syn. *levettei* GROTE.

a. **miranda** HY. EDWARDS, Pap., i, 118, 1881.

2824. **tristis** EDWARDS, Proc. Ent. Soc. Phil., ii, 511, 1864; SMITH, C. 347. — Atl. States.

*2825. **elda** BEHRENS, Can. Ent., xix, 199, 1887; SMITH, C. 347. — Oreg.

2826. **relicta** WALKER, Cat. Brit. Mus., xiii, 1192, 1857; SMITH, C. 346. — Atl. States.

a. **bianca** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 54, 1880. — Oreg., Col.

b. **phrynia** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 54, 1880.

2827. **cara** GUENÉE, Spec. Gén., vii, 87, 1852; SMITH, C. 344. — Atl. States.

a. **sylvia** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 57, 1880.

b. **carissima** HULST, Bull. Brook. Ent. Soc., ii, 97, 1880.

2828. **amatrix** HÜBNER, Samml. exot. Schmett., ii, 1810; SMITH, C. 344. — Atl. States, Col.

a. **nurus** WALKER, Cat. Brit. Mus., xiii, 1195, 1857; SMITH, C. 345.

2829. **marmorata** EDWARDS, Proc. Ent. Soc. Phil., ii, 508, 1864; SMITH, C. 340. — U. S.

2830. **concumbens** WALKER, Cat. Brit. Mus., xiii, 1198, 1857; SMITH, C. 344. — Atl. States.

a. **diana** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 57, 1880.

b. **hillii** GROTE, Pap., iii, 43, 1883.

2831. **californica** EDWARDS, Proc. Ent. Soc. Phil., ii, 509, 1864; SMITH, C., 343. — Cal.

a. **perdita** HY. EDWARDS, Strecker, Lep. Rhop. Het., 100, 1874.

b. **cleopatra** HY. EDWARDS, Strecker, Lep. Rhop. Het., 99, 1874.

*2832. **frenchii** POLING, Can. Ent., xxxiii, 125, 1901. — B. C.

*2833. **jessica** HY. EDWARDS, Pac. Coast Lep., no. 25, 1877; SMITH, C. 341. — Cal.

*2834. **hippolyta** HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 211, 1875; SMITH, C. 341. — Cal.

*2835. **portia** HY. EDWARDS, Bull. Brook. Ent. Soc., ii, 94, 1880; SMITH, C. 341. — Cal.

2836. **luciana** HY. EDWARDS, Strecker, Lep. Rhop. Het., 99, 1874; SMITH, C. 343. — Col., Kans., Neb.

syn. *nebraskæ* DODGE.

a. **somnus** DODGE, Can. Ent., xii, 40, 1881.

*2837. **babayaga** STRECKER, Pap., iv, 73, 1884; SMITH, C. 346. — Ariz.

2838. **arizonæ** GROTE, Can. Ent., v, 163, 233, 1873; SMITH, C. 345. — Ariz.

*2838. 1. **texanæ** FRENCH, Can. Ent., xxxiv, 98, 1902. — Tex.

2839. **aspasia** STRECKER, Lep. Rhop. Het., 94, 1874; SMITH, C. 345. — Col.

a. **sara** FRENCH, Can. Ent., xv, 163, 1883.

2840. **walshii** EDWARDS, Proc. Ent. Soc. Phil., ii, 509, 1864; SMITH, C. 345. — Tex.

*2841. **junctura** WALKER, Cat. Brit. Mus., xiii, 1196, 1857; SMITH, C. 345. — Atl. States.

*2842. **cassandra** HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 214, 1875; SMITH, C. 345. — Col.

2843. **stretchii** BEHR, Trans. Am. Ent. Soc., iii, 24, 1870; SMITH, C. 341. — Cal.

*2844. **augusta** HY. EDWARDS, Proc. Cal. Acad. Sci., vi, 184, 1875; SMITH, C. 341. — Cal.

*2845. **rosalinda** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 55, 1880; SMITH, C. 341. — Col., Kans.

2846. **pura** HULST, Bull. Brook. Ent. Soc., ii, 96, 1880; SMITH, C. 341. — Rocky Mts.

*2847. **semirelicta** GROTE, Sixth Rept. Peab. Acad. Sci., 35, 1874; SMITH, C. 342. — Atl. States.

2848. **unijuga** WALKER, Cat. Brit. Mus., xiii, 1194, 1857; SMITH, C. 340. — Atl. States.

*2849. **beaniana** GROTE, Can. Ent., x, 195, 1878; SMITH, C. 341. — Atl. States.

2850. **meskei** GROTE, Can. Ent., vi, 161, 233, 1873; SMITH, C. 340. — Atl. States.

2851. **mariana** Hy. Edwards, Strecker, Lep. Rhop. Het., 99, 1874; Smith, C. 342. — Cal.

a. **francesca** Hy. Edwards, Bull. Brook. Ent. Soc., iii, 57, 1880.

2852. **groteiana** Bailey, No. Am. Ent., i, 21, 1879; Smith, C. 342. — Atl. States.

2853. **hermia** Hy. Edwards, Bull. Brook. Ent. Soc., ii, 93, 1880; Smith, C. 343. — Col., N. Mex.

2854. **briseis** Edwards, Proc. Ent. Soc. Phil., ii, 508, 1864; Smith, C. 342. — Atl. States.

2855. **faustina** Strecker, Lep. Rhop. Het., 21, 1873; Smith, C. 341. — Cal., Col.

a. **zillah** Strecker, Lep. Rhop. Het., 129, 1877.

b. **verecunda** Hulst, Bull. Brook. Ent. Soc., vii, 45, 1884.

c. **allusa** Hulst, Bull. Brook. Ent. Soc., vii, 45, 1884.

2856. **irene** Behr, Trans. Am. Ent. Soc., iii, 24, 1870; Smith, C. 343. — Cal., Col.

a. **virgilia** Hy. Edwards, Bull. Brook. Ent. Soc., iii, 56, 1880.

b. **volumnia** Hy. Edwards, Bull. Brook. Ent. Soc., iii, 56, 1880.

c. **valeria** Hy. Edwards, Bull. Brook. Ent. Soc., iii, 56, 1880.

2857. **parta** Guenée, Spec. Gén., vii, 84, 1852; Smith, C. 340. — Atl. States.

a. **perplexa** Strecker, Lep. Rhop. Het., 38, 1874.

b. **petulans** Hulst, Bull. Brook. Ent. Soc., vii, 43, 1884.

2858. **coccinata** Grote, Trans. Am. Ent. Soc., iv, 6, 1872; Smith, C. 338. — Atl. States.

a. **sinuosa** Grote, Bull. Brook. Ent. Soc., i, 77, 1879.

2859. **circe** Strecker, Lep. Rhop. Het., 121, 1876; Smith, C. 338. — Tex.

2860. **aholibah** Strecker, Lep. Rhop. Het., 72, 1874; Smith, C. 339. — Pac. States, Col.

*2861. **chiricahua** Poling, Can. Ent., xxxiii, 127, 1901. — Ariz.

*2862. **violenta** Hy. Edwards, Bull. Brook. Ent. Soc., iii, 58, 1880; Smith, C. 337. — Col.

2863. verilliana GROTE, Can. Ent., vii, 185, 1875; SMITH, C. 337. — Rocky Mts.

a. ophelia HY. EDWARDS, Bull. Brook. Ent. Soc., ii, 95, 1880.

b. votiva HULST, Bull. Brook. Ent. Soc., vii, 41, 1884.

2864. ultronia HÜBNER, Zutr. exot. Schmett., f. 347, 1818; SMITH, C. 338. — Atl. States, Col.

a. celia HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 58, 1880.

b. mopsa HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 58, 1880.

c. adriana HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 57, 1880.

d. herodias STRECKER, Lep. Rhop. Het., 121, 1876.

2865. ilia CRAMER, Pap. Exot., pl. 33, f. B, 1779; SMITH, C. 339. — Atl. States.

a. zoe BEHR, Trans. Am. Ent. Soc., iii, 24, 1870.

b. uxor GUENÉE, Spec. Gén., vii, 92, 1852; SMITH, C. 339.

syn. *umbrosa* WORTHINGTON, *confusa* WORTHINGTON, *decorata* WORTHINGTON, *obsoleta* WORTHINGTON, *duplicata* WORTHINGTON, *conspicua* WORTHINGTON.

c. osculata HULST, Bull. Brook. Ent. Soc., vii, 43, 1884.

2866. innubens GUENÉE, Spec. Gén., vii, 98, 1852; SMITH, C. 348. — Atl. States.

a. flavidalis GROTE, Trans. Am. Ent. Soc., v, 95, 1874; SMITH, C. 349.

b. hinda FRENCH, Pap., i, 111, 1881.

c. scintillans GROTE, Proc. Ent. Soc. Phil., vi, 28, 1866.

2867. nebulosa EDWARDS, Proc. Ent. Soc. Phil., ii, 510, 1864; SMITH, C. 350. — Atl. States.

2868. piatrix GROTE, Proc. Ent. Soc. Phil., iii, 88, 1865; SMITH, C. 350. — Atl. States.

2869. dionyza HY. EDWARDS, Pap., iv, 124, 1884; SMITH, C. 350. — Ariz.

2870. neogama SMITH & ABBOT, Lep. Ins. Ga., ii, 175, 1797; SMITH, C. 349. — Atl. States.

a. communis GROTE, Trans. Am. Ent. Soc., iv, 9, 1872.

b. snoviana GROTE, List. Noct., 41, 1876; SMITH, C. 350.

2871. **subnata** GROTE, Proc. Ent. Soc. Phil., iii, 326, 1865; SMITH, C. 350. — Atl. States.

2872. **cerogama** GUENÉE, Spec. Gén., vii, 96, 1852; SMITH, C. 337; DYAR, Can. Ent., xxvi, 21, 1894. — Atl. States.
syn. *aurella* FISCHER, *eliza* FISCHER.
a. **bunkeri** GROTE, Can. Ent., viii, 230, 1876.

2873. **palæogama** GUENÉE, Spec. Gén., vii, 97, 1852; SMITH, C. 349. — Atl. States.
a. **annida** FAGER, Can. Ent., xiv, 120, 1882.
b. **phalanga** GROTE, Proc. Ent. Soc. Phil., iii, 86, 1865.

2874. **consors** SMITH & ABBOT, Lep. Ins. Ga., ii, 177, 1797; SMITH, C. 336. — So. Atl. States.

2875. **muliercula** GUENÉE, Spec. Gén., vii, 97, 1852; SMITH, C. 348. — Atl. States.
a. **permanans** HULST, Bull. Brook. Ent. Soc., vii, 50, 1884.

2876. **delilah** STRECKER, Lep. Rhop. Het., 96, 1874; SMITH, C. 337. — Ill., Tex., Ariz.
syn. *adoptiva* GROTE.

*2877. **desdemona** HY. EDWARDS, Pap., ii, 15, 1882; SMITH; C. 337. — Ariz.

*2878. **calphurnia** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 59, 1880; SMITH, C. 337. — Kans.

2879. **adromache** HY. EDWARDS, Ent. Amer., i, 50, 1885; SMITH, C. 336. — Cal.

2880. **frederici** GROTE, Trans. Am. Ent. Soc., iv, 14, 1872; SMITH, C. 336. — Tex., N. Mex., Col.

2881. **illecta** WALKER, Cat. Brit. Mus., xiii, 1205, 1857; SMITH, C. 336, BEUTENMÜLLER, Jn. N. Y. Ent. Soc., ix, 189, 1902. — Ill., Neb., Tex.
syn. *magdalena* STRECKER.

2882. **serena** EDWARDS, Proc. Ent. Soc. Phil., ii, 510, 1864; SMITH, C. 348. — Atl. States.

2883. **amestris** STRECKER, Lep. Rhop. Het., 96, 1874; SMITH, C. 336. — Miss. Val.
syn. *anna* GROTE.
a. **wescottii** GROTE, Can. Ent., x, 195, 1878.

2884. **antinympha** HÜBNER, Verz. bek. Schmett., 278, 1816; SMITH, C. 347. — Atl. States.

2885. **badia** GROTE & ROBINSON, Proc. Ent. Soc. Phil., vii, 22, 1868; SMITH, C. 348. — Atl. States.

2886. **cœlebs** GROTE, Trans. Am. Ent. Soc., v, 96, 1874; SMITH, C. 348. — Can.

a. **phœbe** HY. EDWARDS, Pap., iv, 125, 1884.

2887. **habilis** GROTE, Trans. Am. Ent. Soc., iv, 11, 1872; SMITH, C. 348. — Atl. States.

a. **basalis** GROTE, Can. Ent., viii, 230, 1876.

2888. **clintonii** GROTE, Proc. Ent. Soc. Phil., iii, 89, 1865; SMITH, C. 335. — Atl. States.

a. **helene** PILATE, Pap., ii, 31, 1882.

2889. **abbreviatella** GROTE, Trans. Am. Ent. Soc., iv, 14, 1872; SMITH, C. 335. — Miss. Val.

2890. **whitneyi** DODGE, Can. Ent., vi, 125, 1874; SMITH, C. 375. — Ohio, Neb.

2891. **nuptialis** WALKER, Cat. Brit. Mus., iii, 1206, 1857; SMITH, C. 335. — Miss. Val.

syn. *myrrha* STRECKER.

2892. **polygama** GUENÉE, Spec. Gén., vii, 105, 1852; SMITH, C. 332. — Atl. States.

syn. *blandula* HULST; SMITH, C. 335.

a. **cratægi** SAUNDERS, Can. Ent., viii, 72, 1876; SMITH, C. 334.

b. **mira** GROTE, Can. Ent., viii, 230, 1876.

2893. **pretiosa** LINTNER, Can. Ent., viii, 121, 1876; SMITH, C. 334. — N. Y.

2894. **amasia** SMITH & ABBOT, Lep. Ins. Ga., ii, 178, 1797; SMITH, C. 333. — Atl. States.

syn. *sancta* HULST; SMITH, C. 334.

a. **virens** FRENCH, Can. Ent., xviii, 162, 1886.

*2895. **cordelia** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 59, 1880; SMITH, C. 334. — Tex., Fla.

2896. **chelidonia** GROTE, Pap., i, 159, 1881; SMITH, C. 333. — Ariz.

2897. **similis** EDWARDS, Proc. Ent. Soc. Phil., ii, 511, 1864; SMITH, C. 333. — Atl. States.

syn. *formula* GROTE.

a. **aholah** STRECKER, Lep. Rhop. Het., 96, 1874.

b. **isabella** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 60, 1880.

2898. **fratercula** GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 24, 1866; SMITH, C. 332 (as *micronympha* GUENÉE). — Atl. States, Ariz., Col., Cal.

a. **atarah** STRECKER, Lep. Rhop. Het., 97, 1874.

b. **jaquenetta** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 60, 1880.

c. **ouwah** POLING, Can. Ent., xxxiii, 128, 1901.

d. **timandra** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 60, 1880.

e. **hero** HY. EDWARDS, Pap., iv, 125, 1874.

f. **gisela** MEYER, Bull. Brook. Ent. Soc., ii, 96, 1880.

*2899. **olivia** HY. EDWARDS, Bull. Brook. Ent. Soc., ii, 95, 1880; SMITH, C. 331. — Tex.

2900. **præclara** GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 25, 1866; SMITH, C. 332. — Atl. States.

2901. **dulciola** GROTE, Pap., i, 5, 1881; SMITH, C. 334. — Ohio, Ill.

2902. **grynea** CRAMER, Pap. Exot., iii, pl. 208, f. H, 1782; SMITH, C. 332. — Atl. States.

a. **constans** HULST, Bull. Brook. Ent. Soc., vii, 37, 1884.

*2903. **alabamæ** GROTE, Proc. Acad. Nat. Sci. Phil., 427, 1875; SMITH, C. 332. — Ala.

*2904. **titania** DODGE, Ent. News, xi, 472, 1900. — Mo.

2905. **gracilis** EDWARDS, Proc. Ent. Soc. Phil., ii, 511, 1864; SMITH, C. 331. — Atl. States.

a. **sordida** GROTE, Can. Ent., ix, 170, 1877.

2906. **minuta** EDWARDS, Proc. Ent. Soc. Phil., ii, 512, 1864; SMITH, C. 331. — Atl. States.

a. **parvula** EDWARDS, Proc. Ent. Soc. Phil., ii, 512, 1864.

b. **mellitula** HULST, Bull. Brook. Ent. Soc., vii, 35, 1884.

2907. **amica** HÜBNER, Zutr. exot. Schmett., f. 27, 1818; SMITH, C. 330. — Atl. States.

syn. *androphila* GUENÉE.

a. **lineella** GROTE, Trans. Am. Ent. Soc., iv, 18, 1872.

b. **nerissa** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 61, 1880.

*2908. **jair** STRECKER, Ent. News, viii, 116, 1897. — Fla.

ALLOTRIA Hübner.

Hübner, Verz. bek. Schmett., 280, 1816.

2909. **elonympha** Hübner, Zutr. exot. Schmett., i, f. 29, 1818; Smith, C. 330. — Atl. States.

ANDREWSIA Grote.

Grote, New Check List, 41, 1882.

2910. **messalina** Guenée, Spec. Gén., vii, 107, 1852; Smith, C. 330. — So. Miss. Vall.

syn. *belfragiana* Harvey, *jocasta* Strecker.

EUPARTHENOS Grote.

Grote, Ann. N. Y. Lyc. Nat. Hist., xi, 301, 1876.

2911 **nubilis** Hübner, Samml. exot. Schmett., ii, 1816; Smith, C. 330. — Atl. States, Ariz.

a. **apache** Poling, Can. Ent., xxxiii, 129, 1901.

HYPOCALA Guenée.

Guenée, Spec. Gén., vii, 73, 1852.

2912. **andremona** Cramer, Pap. Exot., iv, pl. 358, f. C, 1782; Meyrick, Faun. Haw., i, 159, 1899. — Tex., So. Am.

syn. *hillii* Lintner, Ent. Cont., iv, 103, 1878; Smith, C. 318.

LITOCALA Harvey.

Harvey, Bull. Buff. Soc., ii, 280, 1875.

2913. **sexsignata** Harvey, Bull. Buff. Soc., ii, 280, 1875; Smith, C. 322. — Rocky Mts., Cal.

a. **deserta** Hy. Edwards, Pap., i, 25, 1881.

TOXOCAMPA Guenée.

Guenée, Ann. Soc. Ent. Fr., x, 75, 1841.

2914. **victoria** Grote, Bull. Buff. Soc., ii, 163, 1874; Smith, C. 355. — No. U. S., Col.

PHOBERIA Hübner.

Hübner, Verz. bek. Schmett., 267, 1816.

2915. **atomaris** Hübner, Zutr. exot. Schmett., f. 75, 1818; Smith, C. 355. — Atl. States.

syn. *orthosioides* Guenée, *forrigens* Walker, *ingenua* Walker.

*2916. **indiscreta** Hy. Edwards, Ent. Amer., ii, 170, 1866; Smith, C. 355. — Cal.

HOMOPHOBERIA Morrison.

Morrison, Proc. Bost. Soc. Nat. Hist., xviii, 125, 1875.

*2917. **cristata** Morrison, Proc. Bost. Soc. Nat. Hist., xviii, 125, 1875; Smith, C. 355. — N. J.?

SIAVANA Walker.

Walker, Cat. Brit. Mus., xiii, 1009, 1857; *Harveya* Grote.

2918. **repanda** Walker, Cat. Brit. Mus., xiii, 1009, 1857; Smith, C. 361. — So. States.
syn. *auripennis* Grote.

PALINDIA Guenée.

Guenée, Spec. Gén., vi, 274, 1852.

2919. **dominicata** Guenée, Spec. Gén., vi, 276, 1852; Smith, C. 361. — Tex., So. Am.

*2919. 1. **merricki** Holland, Ent. News, xiii, 172, 1902. — Pa.

PANAPODA Guenée.

Guenée, Spec. Gén., vii, 324, 1852.

2920. **rufimargo** Hübner, Zutr. exot. Schmett., f. 45, 1818; Smith, C. 361. — Atl. States.
syn. *rubricosta* Guenée, *cressonii* Grote.
a. **carneicosta** Guenée, Spec. Gén., vii, 325, 1852.
syn. *scissa* Walker, *combinata* Walker.
b. **roseicosta** Guenée, Spec. Gén., vii, 325, 1852.

PARALLELIA Hübner.

Hübner, Verz. bek. Schmett., 269, 1816.

2921. **bistriaris** Hübner, Zutr. exot. Schmett., f. 63, 1818; Smith, C. 360. — Atl. States.
syn. *amplissima* Walker.

AGNOMONIA Hübner.

Hübner, Zutr. Exot. Schmett., iii, 10, 1823.

2922. **anilis** Drury, Ill. Exot. Ent., ii, 21, 1797; Smith, C. 360. — So. Atl. States.
syn. *sesquistriaris* Hübner.

REMIGIA Guenée.

Guenée, Spec. Gén., vii, 313, 1852.

2923. **repanda** Fabricius, Ent. Syst., iii, 133, 1793. — Atl. States, So. Am.
syn. *latipes* Guenée, *perlata* Walker, *indentata* Harvey, *texana* Morrison.
a. **disseverans** Walker, Cat. Brit. Mus., xiv, 1495, 1858.
b. **marcida** Guenée, Spec. Gén., vii, 317, 1852.
syn. *hexastylus* Harvey.

GRAMMODES Guenée.

Guenée, Spec. Gén., vii, 275, 1852.

2924. **smithii** Guenée, Spec. Gén., vii, 266, 1852; Smith, C. 319. — So. States.

2925. **similis** Guenée, Spec. Gén., vii, 267, 1852; Smith, C. 319. — So. States.
a. **apicalis** Guenée, Spec. Gén., vii, 267, 1852.

2926. **consobrina** Guenée, Spec. Gén., vii, 268, 1852; Smith, C. 319. — So. States.

EPIDROMIA Guenée.

Guenée, Spec. Gén., vii, 325, 1852.

*2927. **delinquens** Walker, Cat. Brit. Mus., xiv, 1423, 1858; Druce, Biol. Cent. Am., Lep. Het., i, 381, 1890. — Fla., So. Am.

POAPHILA Guenée.

Guenée, Spec. Gén., vii, 299, 1852.

2928. **quadrifilaris** Hübner, Zutr. exot. Schmett., f. 569, 1823; Smith, C. 358. — Atl. States.

2929. **deleta** Guenée, Spec. Gén., vii, 300, 1852; Smith, C. 358. — So. States.
syn. *obsoleta* Grote.

2930. **sylvarum** Guenée, Spec. Gén., vii, 300, 1852; Smith, C. 358. — So. States.

*2931. **erasa** Guenée, Spec. Gén., vii, 301, 1852; Smith, C. 359. — So. States.

*2932. **herbicola** Guenée, Spec. Gén., vii, 301, 1852; Smith, C. 359. — So. States.

*2933. **contempta** Guenée, Spec. Gén., vii, 302, 1852; Smith, C. 358. — So. States.

*2934. **flavistriaria** Hübner, Zutr. exot. Schmett., f. 555, 1823; Smith, C. 359. — So. States.

*2935. **pacalis** WALKER, Cat. Brit. Mus., xiv, 1475, 1858; SMITH, C. 359. — Fla.
syn. *irrorata* GROTE.

*2936. **placata** GROTE, Bull. Geol. Surv. Terr., iv, 184, 1878; SMITH, C. 359. — Ga.

*2937. **perplexa** BOISDUVAL, Guenée, Spec. Gén., vii, 302, 1852; SMITH, C. 359. — Ga.

*2938. **revoluta** WALKER, Cat. Brit. Mus., xiv, 1472, 1858; SMITH, C. 360. — U. S.

*2939. **turbata** WALKER, Cat. Brit. Mus., xiv, 1834, 1858; SMITH, C. 260 (to *Perigea*). — E. Fla.

PHURYS Guenée.

GUENÉE, Spec. Gén., vii, 303, 1852.

2940. **vinculum** GUENÉE, Spec. Gén., vii, 304, 1852; SMITH, C. 357. — So. States.

2941. **herbarum** GUENÉE, Spec. Gén., vii, 303, 1852; SMITH, C. 357. — So. States.
syn. *bifasciata* BATES.

*2942. **ovalis** GROTE, Pap., iii, 75, 1883; SMITH, C. 357. — Ariz.

2943. **lima** GUENÉE, Spec. Gén., vii, 305, 1852; SMITH, C. 357. — So. States.
syn. *obversa* WALKER, *dissocians* WALKER.

2944. **bistrigata** HÜBNER, Zutr. exot. Schmett., f. 111, 1818; SMITH, C. 357. — Ga.

2945. **perspicua** WALKER, Cat. Brit. Mus., xvi, 1477, 1858; SMITH, C. 358. — Fla.
syn. *glans* GROTE.

CELIPTERA Guenée.

GUENÉE, Spec. Gén., vii, 308, 1852.

2946. **frustulum** GUENÉE, Spec. Gén., vii, 308, 1852; SMITH, C. 355. — Atl. States.
syn. *discissa* WALKER, *elongatus* GROTE.

*2947. **bucetum** GROTE, Trans. Kans. Acad. Sci., viii, 50, 1883; SMITH, C. 356. — N. Mex.

ANTICARSIA Hübner.

HÜBNER, Verz. bek. Schmett., 340, 1816.

2948. **gemmatilis** HÜBNER, Zutr. exot. Schmett., f. 153, 1818; SMITH, C. 365. — Atl. States.

2949. **ferruginea** SMITH, Jn. N. Y. Ent. Soc., viii, 174, 1900. — Fla.

ANTIBLEMMA Hübner.

Hübner, Verz. bek. Schmett., 341, 1816.

2950. **inexacta** Walker, Cat. Brit. Mus., xxxiii, 1038, 1865; Smith, C. 366. — So. States, So. Am., Ariz.
syn. *canalis* Grote.
a. **guttula** Hy. Edwards, Pap., ii, 129, 1882.
b. **minorata** Smith, Proc. U. S. Nat. Mus., xxii, 493, 1900.
c. **fasciata** Smith, Proc. U. S. Nat. Mus., xxii, 494, 1900.

LITOPROSOPUS Grote.

Grote, Trans. Am. Ent. Soc., ii, 309, 1868.

2951. **futilis** Grote & Robinson, Trans. Am. Ent. Soc., ii, 202, 1868; Smith, C. 245. — Fla., Ga.

OPHIDERES Boisduval.

Boisduval, Faun. Ent. Mad., 99, 1834.

*2952. **materna** Linnæus, Syst. Nat., 12th ed., 2, 840, 1767; Smith, C. 354. — Fla., So. Am.
syn. *hybrida* Fabricius, *calaminea* Cramer.

STRENOLOMA Grote.

Grote, No. Am. Ent., i, 99, 1880; *Spiloloma* Grote (not *Spilosoma* Stephens), Bull. Buff. Soc., i, 127, 1873.

2953. **lunilinea** Grote, Buff. Bull. Soc., i, 127, 1873; Smith, C. 354. — So. Atl. States.

CAMPOMETRA Guenée.

Guenée, Spec. Gén., vii, 25, 1852; *Eubolina* Harvey; Smith, Proc. U. S. Nat. Mus., xxii, 101, 1899 (for 2956 and 2958).

2954. **fraterna** Smith, Proc. U. S. Nat. Mus., xxi, 104, 1899. — Tex.

2955. **minor** Smith, Proc. U. S. Nat. Mus., xxi, 104, 1899. — Ariz.

2956. **impartialis** Harvey, Bull. Buff. Soc., ii, 281, 1875; Smith, C. 372. — Tex.

2957. **amella** Guenée, Spec. Gén., vii, 25, 1852; Smith, C. 372. — Tex., Fla.
syn. *integerrima* Walker, *stylobata* Harvey.

2958. **meskei** Hy. Edwards, Pap., ii, 128, 1882; Smith, C. 372. — Tex.

2959. **mima** HARVEY, Can. Ent., viii, 155, 1876; SMITH, C. 372. — Tex., Col., Ariz.

2960. **bilineata** SMITH, Proc. U. S. Nat. Mus., xxi, 102, 1899. — Tex.

2961. **cinctipalpis** SMITH, Proc. U. S. Nat. Mus., xxi, 103, 1899. — Fla.

TRAMA Harvey.

HARVEY, Bull. Buff. Soc., iii, 13, 1875.

2962. **detrahens** WALKER, Cat. Brit. Mus., xiv, 1834, 1858; SMITH, C. 364. — So. States.
syn. *arrosa* HARVEY.

2963. **hinna** GEYER, Zutr. exot. Schmett., f. 971, 1837; SMITH, C. 364. — So. States.

*2964. **griseipennis** GROTE, Can. Ent., xiv, 183, 1882; SMITH, C. 365. — Ariz.

MATIGRAMMA Grote.

GROTE, Trans. Am. Ent. Soc., iv, 22, 1872.

2965. **pulverilinea** GROTE, Trans. Am. Ent. Soc., iv, 22, 1872; SMITH, C. 375. — So. States.

2966. **pulversoa** WALKER, Cat. Brit. Mus., xxxiii, 994, 1865; SMITH, C. 375. — Tex.

2967. **rubrosuffusa** GROTE, Can. Ent., xiv, 172, 1882; SMITH, C. 375. — Ariz.

CAPNODES Guenée.

GUENÉE, Spec. Gén., vii, 374, 1852.

2968. **punctivena** SMITH, Jn. N. Y. Ent. Soc., vii, 175, 1900. — Fla.

*2969. **californica** BEHR, Trans. Am. Ent. Soc., iii, 23, 1870; SMITH, C. 365. — Cal.

KAKOPODA Smith.

SMITH, Jn. N. Y. Ent. Soc., viii, 175, 1900.

*2970. **cincta** SMITH, Jn. N. Y. Ent. Soc., viii, 176, 1900. — Fla.

YRIAS Guenée.

GUENÉE, Spec. Gén., vii, 21, 1852.

2971. **clientis** GROTE, Can. Ent., xiv, 236, 1882; SMITH, C. 374. — Ariz.

2972. **volucris** GROTE, Can. Ent., xv, 3, 1883; SMITH, C. 374. — Ariz.

2973. **repentis** GROTE, Pap., i, 165, 1881; SMITH, C. 374. — Ariz.

2974. **crudelis** GROTE, Can. Ent., xv, 237, 1882; SMITH, C. 374. — Ariz., Tex., Cal.

EGRYRLON Smith.

SMITH, Jn. N. Y. Ent. Soc., viii, 176, 1900.

*2975. **filaria** SMITH, Jn. N. Y. Ent. Soc., viii, 177, 1900. — Fla.

ZALE Hübner.

HÜBNER, Verz. bek. Schmett., 275, 1816.

2977. **horrida** HÜBNER, Zutr. exot. Schmett., f. 31, 1818; SMITH, C. 367. — Atl. States.

SELENIS Guenée.

GUENÉE, Spec. Gén., vii, 361, 1852.

2978. **monotropa** GROTE, Can. Ent., vii, 207, 1876; SMITH, C. 373. — Tex.

PHEOCYMA Hübner.

HÜBNER, Verz. bek. Schmett., 275, 1816.

2979. **lunifera** HÜBNER, Zutr. exot. Schmett., f. 97, 1818; SMITH, C. 368. — Atl. States.

syn. *lineola* WALKER.

*2980. **umbrina** GROTE, Can. Ent., xv, 3, 1883; SMITH, C. 368. — Ariz.

*2981. **termina** GROTE, Can. Ent., xv, 129, 1883; SMITH, C. 368. — Ariz.

YPSIA Guenée.

GUENÉE, Spec. Gén., vii, 16, 1852.

2983. **undularis** DRURY, Ill. Exot. Ent., i, pl. 9, f. 4, 1770; SMITH, C. 372. — Atl. States.

a. **æruginosa** GUENÉE, Spec. Gén., vii, 17, 1852.

syn. *plenipennis* WALKER.

b. **umbripennis** GROTE, Can. Ent., viii, 109, 1877.

PSEUDANTHRŒCIA Grote.

GROTE, Bull. Buff. Soc., ii, 46, 1874.

2984. **coracias** GUENÉE, Spec. Gén., vii, 19, 1852; SMITH, C. 373. — Atl. States.

*2985. **cornix** GUENÉE, Spec. Gén., vii, 19, 1852; SMITH, C. 373. — No. Am.

HOMOPTERA Boisduval.[a]

Boisduval (not Latreille) in Guérin, Icon. Règ. An., pl. 89, 1829; Guenée, Spec. Gén., vii, 8, 1852.

2986. **lunata** Drury, Ill. Exot. Ent., i, 40, 1770; Smith, C. 368. — Atl. States.

a. **edusa** Drury, Ill. Exot. Ent., ii, pl. 24, f. 4, 1773.

syn. *putrescens* Guenée, *saundersii* Bethune, *viridans* Walker, *involuta* Walker.

*2987. **nigricans** Bethune, Proc. Ent. Soc. Phil., iv, 214, 1864; Smith, C. 369.[b] — No. Atl. States.

2988. **rosæ** Behr, Trans. Am. Ent. Soc., iii, 28, 1870; Smith, C. 369. — Cal.

2989. **rubi** Hy. Edwards, Pap., i, 28, 1881; Smith, C. 369. — Cal., Ariz.

*2990. **minerea** Guenée, Spec. Gén., vii, 15, 1852; Smith, C. 369. — Atl. States.

2991. **calycanthata** Smith & Abbot, Lep. Ins. Ga., ii, 207, 1797; Smith, C. 370. — Atl. States.

2992. **cingulifera** Walker, Cat. Brit. Mus., xiii, 1056, 1857; Smith, C. 370. — Atl. States.

syn. *intenta* Walker, *woodii* Grote.

*2993. **salicis** Behr, Trans. Am. Ent. Soc., iii, 28, 1870; Smith, C. 370. — Cal.

*2994. **albofasciata** Bethune, Can. Jn., x, 256, 1865; Smith, C. 370. — Can.

2995. **edusina** Harvey, Bull. Buff. Soc., iii, 14, 1875; Smith, C. 370. — Tex.

a. **atritincta** Harvey, Bull. Buff. Soc., iii, 14, 1875.

*2996. **galbanata** Morrison, Proc. Acad. Nat. Sci. Phil., 435, 1875; Smith, C. 370. — Neb.

*2997. **uniformis** Morrison, Can. Ent., vii, 148, 1875; Smith, C. 371. — Ga.

*2998. **cinerea** Morrison, Can. Ent., vii, 148, 1875; Smith, C. 371. — Mass.

*2999. **penna** Morrison, Proc. Bost. Soc. Nat. Hist., xviii, 241, 1875; Smith, C. 371. — Miss. Vall.

3000. **unilineata** Grote, Can. Ent., viii, 108, 1876; Smith, C. 371. — Atl. States.

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[a] A homonym, but probably the same as *Pheocyma*.

[b] Synonym of *Ypsia undularis* according to Bethune in letter.

3001. **obliqua** GUENÉE, Spec. Gén., vii, 16, 1852; SMITH, C. 371. — Ad. States.

3002. **duplicata** BETHUNE, Can. Jn., x, 257, 1865; SMITH, C. 371. — Atl. States.

*3003. **benesignata** HARVEY, Bull. Buff. Soc., iii, 14, 1875; SMITH, C. 371. — Can.

*3004. **declarans** WALKER, Cat. Brit. Mus., xiii, 1057, 1857; SMITH, C. 371. — E. Fla.

LATEBRARIA Guenée.

GUENÉE, Spec. Gén., vii, 159, 1852.

3005. **amphipyroides** GUENÉE, Spec. Gén., vii, 159, 1852. — Tex., So. Am.

EREBUS Latreille.

LATREILLE, Gen. Crust. Ins., 365, 1810.

3006. **odora** LINNÆUS, Syst. Nat., 505, 1758; SMITH, C. 366. — Atl. States, Col., Cal., So. Am.

syn. *agarista* CRAMER.

THYSANIA Dalman.

DALMAN, Vet. Akad. Handl., 407, 1824.

3007. **zenobia** CRAMER, Pap. Exot., pl. 115, f. A, 1779; SMITH, C. 367. — Fla., So. Am.

Subfamily HYPENINÆ.

EPIZEUXIS Hübner.

HÜBNER, Verz. bek. Schmett., 346, 1816; SMITH, Bull. 48, U. S. Nat. Mus., 15, 1895.

3008. **americalis** GUENÉE, Spec. Gén., viii, pl. 6, f. 5, 1854; SMITH, C. 379; Bull. 48, U. S. Nat. Mus., 23, 1895. — Atl. States.

syn. *scriptipennis* WALKER.

3009. **æmula** HÜBNER, Samml. exot. Schmett., iii, 1815; SMITH, C. 379. — Atl. States.

syn. *mollifera* WALKER, *herminioides* WALKER, *effusalis* WALKER, *concisa* WALKER.

*3010. **nigellus** STRECKER, Lep. Rhop. Het., suppl. 3, 36, 1900. — Ill.

3011. **suffusalis** SMITH, Jn. N. Y. Ent. Soc., vii, 233, 1899. — Ariz.

3012. **lubricalis** GEYER, Zutr. exot. Schmett., f. 665, 1832; SMITH, C. 377. — Atl. States, Col.

syn. *phæalis* GUENÉE, *surrectalis* WALKER.

a. **occidentalis** SMITH, Bull. Brook. Ent. Soc., vii, 5, 1884.

3013. **denticulalis** HARVEY, Bull. Buff. Soc., ii, 283, 1875; SMITH, C. 378. — Atl. States.

3014. **scobialis** GROTE, No. Am. Ent., i, 95, 1880; SMITH, C. 378. — Atl. States.

3015. **laurentii** SMITH, Ent. News, iv, 83, 1893. — N. C.

3016. **rotundalis** WALKER, Cat. Brit. Mus., xxxiv, 1144, 1865; SMITH, Bull. 48, U. S. Nat. Mus., 20, 1895. — Atl. States, Col.

syn. *borealis* SMITH, *forbesii* FRENCH.

3017. **majoralis** SMITH, Bull. 48, U. S. Nat. Mus., 25 1895. — Atl. States.

3018. **gopheri** SMITH, Can. Ent., xxxi, 94, 1899. — Fla.

ZANCLOGNATHA Lederer.

LEDERER, Noct. Eur., 211, 1857; SMITH, Bull. 48, U. S. Nat. Mus., 27, 1895; *Pityolita* GROTE, Bull. Buff. Soc., i, 39, 1873; *Megachyta* GROTE, Trans. Am. Ent. Soc., iv, 306, 1873; *Cleptomita* GROTE, Trans. Am. Ent. Soc., iv, 301, 1873.

3019. **lævigata** GROTE, Trans. Am. Ent. Soc., iv, 95, 1872; SMITH, Bull. 48, U. S. Nat. Mus., 36, 1895. — Atl. States.

a. **modestalis** FITCH (median space entirely brown).

b. **reversata** DYAR (basal and terminal spaces brown).

c. **obsoleta** SMITH, Bull. Brook. Ent. Soc., vii, 5, 1884; C. 382.

3020. **pedipilalis** GUENÉE, Spec. Gén., viii, 57, 1854; SMITH, C. 381; Bull. 48, U. S. Nat. Mus., 39, 1895. — Atl. States.

3021. **cruralis** GUENÉE Spec. Gén., viii, 58, 1854; SMITH, C. 382; Bull. 48, U. S. Nat. Mus., 40, 1895. — Atl. States.

syn. *jachusalis* WALKER.

3022. **obscuripennis** GROTE, Trans. Am. Ent. Soc., iv, 98, 309, 1872; SMITH, C. 382; Bull. 48, U. S. Nat. Mus., 41, 1895. — Atl. States.

3023. **protumnusalis** WALKER, Cat. Brit. Mus., xvi, 104, 1859; SMITH, C. 383; Bull. 48, U. S. Nat. Mus., 42, 1895. — Atl. States.

syn. *minimalis* GROTE.

3024. **ochreipennis** GROTE, Trans. Am. Ent. Soc., iv, 98, 1872; SMITH, C. 382; Bull. 48, U. S. Nat. Mus., 44, 1895. — Atl. States.

3025. **marcidilinea** GROTE, Trans. Am. Ent. Soc., iv, 93, 1872; SMITH, C. 382; Bull. 48, U. S. Nat. Mus., 43, 1895. — Atl. States.

3026. **lituralis** HÜBNER, Zutr. exot. Schmett., f. 19, 1818; SMITH, C. 380; Bull. 48, U. S. Nat. Mus., 32, 1895. — Atl. States.

3027. **theralis** WALKER, Cat. Brit. Mus., xix, 855, 1859; SMITH, C. 380; Bull. 48, U. S. Nat. Mus., 33, 1895. — Atl. States.

syn. *deceptricalis* ZELLER.

a. **gypsalis** GROTE, Bull. Brook. Ent. Soc., iii, 65, 1880.

3028. **inconspicualis** GROTE, Can. Ent., xv, 30, 1883; SMITH, C. 380; Bull. 48, U. S. Nat. Mus., 35, 1895. — No. N. Y.

*3029. **minoralis** SMITH, Bull. 48, U. S. Nat. Mus., 34, 1895. — N. Y.

*3030. **atrilineella** GROTE, Trans. Am. Ent. Soc., iv, 301, 1873; SMITH, C. 383; Bull. 48, U. S. Nat. Mus., 38, 1895. — Tex.

HORMISA Walker.

WALKER, Cat. Brit. Mus., xvi, 74, 1859; SMITH, Bull. 48, U. S. Nat. Mus., 45, 1895; *Pallachira* GROTE, Can. Ent., ix, 197, 1877.

3031. **absorptalis** WALKER, Cat. Brit. Mus., xvi, 74, 1859; SMITH, C. 380; Bull. 48, U. S. Nat. Mus., 46, 1895. — Atl. States.

syn. *nubilifascia* GROTE.

*3032. **litophora** GROTE, Bull. Buff. Soc., i, 86, 1873; SMITH, C. 380; Bull. 48, U. S. Nat. Mus., 48, 1895. — Atl. States.

*3033. **linearis** GROTE, Can. Ent., xv, 121, 1883; SMITH, C. 381. — Ariz.

3034. **bivittata** GROTE, Can. Ent., ix, 198, 1877; SMITH, C. 383; Bull. 48, U. S. Nat. Mus., 48, 1895. — Atl. States.

SISYRHYPENA Grote.

GROTE, Can. Ent., v, 227, 1873.

3035. **orciferalis** WALKER, Cat. Brit. Mus., xvi, 235, 1859; SMITH, C. 386; Bull. 48, U. S. Nat. Mus., 49, 1895. — So. Atl. States.

syn. *pupillaris* GROTE, *hartii* FRENCH.

PHILOMETRA Grote.

Grote, Trans. Am. Ent. Soc., iv, 99, 1872; Smith, Bull. 48, U. S. Nat. Mus., 50, 1895.

3036. **metonalis** Walker, Cat. Brit. Mus., xvi, 236, 1859; Smith, Bull. 48, U. S. Nat. Mus., 51, 1895. — Atl. States.
syn. *goasalis* Walker; Smith, C. 383; *longilabris* Grote.

3037. **eumelusalis** Walker, Cat. Brit. Mus., xvi, 105, 1859; Smith, C. 384; Bull. 48, U. S. Nat. Mus., 53, 1895. — Atl. States.
syn. *serraticornis* Grote.

3038. **hanhami** Smith, Can. Ent., xxxi, 207, 1899. — Man.

CHYTOLITA Grote.

Grote, Trans. Am. Ent. Soc., iv, 309, 1873; Smith, Bull. 48, U. S. Nat. Mus., 54, 1895.

3039. **morbidalis** Guenée, Spec. Gén., viii, 56, 1854; Smith, C. 382; Bull. 48, U. S. Nat. Mus., 56, 1895. — Atl. States.
a. **petrealis** Grote, Can. Ent., xii, 219, 1880; Smith, Bull. 48, U. S. Nat. Mus., 56, 1895.
b. **punctiformis** Smith, Bull. 48, U. S. Nat. Mus., 37, 1895.

HYPENULA Grote.

Grote, Can. Ent., viii, 27, 1876; Smith, Bull. 48, U. S. Nat. Mus., 76, 1895.

3040. **cacuminalis** Walker, Cat. Brit. Mus., xvi, 37, 1859; Smith, C. 389; Bull. 48, U. S. Nat. Mus., 77, 1895. — So. States.
syn. *biferalis* Walker, *opacalis* Grote.

RENIA Guenée.

Guenée, Spec. Gén., vii, 91, 1854; Smith, Bull. 48, U. S. Nat. Mus., 65, 1895.

3041. **salusalis** Walker, Cat. Brit. Mus., xvi, 197, 1859; Smith, C. 387; Bull. 48, U. S. Nat. Mus., 68, 1895. — Atl. States, Col.
syn. *brevirostralis* Grote.

3042. **discoloralis** Guenée, Spec. Gén., viii, 82, 1854; Smith, C. 386; Bull. 48, U. S. Nat. Mus., 69, 1895. — Atl. States.
syn. *fallacialis* Walker, *generalis* Walker, *thraxalis* Walker.

3043. **fraternalis** Smith, Bull. 48, U. S. Nat. Mus., 70, 1895. — Fla., Ga.

3044. **sobrialis** WALKER, Cat. Brit. Mus., xvi. 228, 1859; SMITH, C. 387; Bull. 48, U. S. Nat. Mus., 71, 1895; DYAR, Proc. U. S. Nat. Mus., xxiii, 280, 1901. — Atl. States, Col.

syn. *restrictalis* GROTE.

a. larvalis GROTE, Trans. Am. Ent. Soc., iv, 20, 1872; SMITH, C. 387; Bull. 48, U. S. Nat. Mus., 72, 1895.

3045. **clitosalis** WALKER, Cat. Brit. Mus., xvi, 108, 1859; SMITH, C. 388; Bull. 48, U. S. Nat. Mus., 72, 1895. — Atl. States.

syn. *centralis* GROTE.

3046. **factiosalis** WALKER, Cat. Brit. Mus., xvi, 37, 1859; SMITH, C. 388; Bull. 48, U. S. Nat. Mus., 73, 1895. — Atl. States, Col.

syn. *plenilinealis* GROTE, *alutalis* GROTE.

3047. **pulverosalis** SMITH, Bull. 48, U. S. Nat. Mus., 75, 1895. — Col.

3048. **flavipunctalis** GEYER, Zutr. exot. Schmett., f. 701, 1832; SMITH, C. 388; Bull. 48, U. S. Nat. Mus., 74, 1895. — Atl. States.

syn. *phaterosalis* WALKER, *helinsalis* WALKER, *belfragei* GROTE, *pastoralis* GROTE.

BLEPTINA Guenée.

GUENÉE, Spec. Gén., viii, 66, 1854; SMITH, Bull. 48, U. S. Nat. Mus., 57, 1895.

3049. **caradrinalis** GUENÉE, Spec. Gén., vii, 67, 1854; SMITH, C. 389; Bull. 48, U. S. Nat. Mus., 58, 1895. — Atl. States, Rocky Mts., Ariz.

syn. *cloniasalis* WALKER.

3050. **inferior** GROTE, Trans. Am. Ent. Soc., iv, 94, 1872; SMITH, C. 389; Bull. 48, U. S. Nat. Mus., 61, 1895. — So. States.

a. medialis SMITH, Bull. 48, U. S. Nat. Mus., 60, 1895.

TETANOLITA Grote.

GROTE, Trans. Am. Ent. Soc., iv, 305, 1873; SMITH, Bull. 48, U. S. Nat. Mus., 61, 1895.

3051. **floridana** SMITH, Bull. 48, U. S. Nat. Mus., 63, 1895. — Fla., Tex.

3052. **mynesalis** WALKER, Cat. Brit. Mus., xix, 860, 1859; SMITH, C. 389; Bull. 48, U. S. Nat. Mus., 63, 1895. — So. Atl. States.

syn. *lixalis* GROTE.

3053. **palligera** SMITH, Bull. Brook. Ent. Soc., vii, 6, 1884; C. 385; Bull. 48, U. S. Nat. Mus., 64, 1895. — Cal.

HETEROGRAMMA Guenée.

GUENÉE, Spec. Gén., viii, 91, 1854; SMITH, Bull. 48, U. S. Nat. Mus., 78, 1895.

3054. **pyramusalis** WALKER, Cat. Brit. Mus., xvi, 106, 1859; SMITH, C. 385; Bull. 48, U. S. Nat. Mus., 79, 1895. — Atl. States.

syn. *gyasalis* WALKER, *rurigena* GROTE.

GABERASA Walker.

WALKER, Cat. Brit. Mus., xxxiv, 1197, 1865; SMITH, Bull. 48, U. S. Nat. Mus., 80, 1895.

3055. **ambigualis** WALKER, Cat. Brit. Mus., xxxvi, 1198, 1865; SMITH, C. 395; Bull. 48, U. S. Nat. Mus., 81, 1895. — Atl. States.

syn. *bifidalis* GROTE, *indivisalis* GROTE.

DIRCETIS Grote.

GROTE, Bull. Geol. Surv. Terr., iv, 186, 1878; SMITH, Bull. 48, U. S. Nat. Mus., 82, 1895.

3056. **vitrea** GROTE, Bull. Geol. Surv. Terr., iv, 186, 1878; SMITH, C. 396. — So. Atl. States.

3057. **pygmæa** GROTE, Bull. Geol. Surv. Terr., iv, 187, 1878; SMITH, C. 396. — Fla., Tex.

PALTHIS Hübner.

HÜBNER, Verz. bek. Schmett., 342, 1816; SMITH, Bull. 48, U. S. Nat. Mus., 84, 1895.

3058. **angulalis** HÜBNER, Schmett. Eur., Pyral. f. 107, 1796; SMITH, C. 385; Bull. 48, U. S. Nat. Mus., 86, 1895. — Atl. States.

syn. *aracinthusalis* WALKER.

3059. **asopialis** GUENÉE, Spec. Gén., viii, 96, 1854; SMITH, C. 385; Bull. 48, U. S. Nat. Mus., 87, 1895. — Atl. States.

CAPIS Grote.

GROTE, Can. Ent., xiv, 20, 119, 1882; SMITH, Bull. 48, U. S. Nat. Mus., 88, 1895.

3060. **curvata** GROTE, Can. Ent., xiv, 20, 1882; SMITH, C. 386. — No. Atl. States.

SALIA Hübner.

HÜBNER, Verz. bek. Schmett., 338, 1816; SMITH, Bull. 48, U. S. Nat. Mus., 89, 1895.

3061. **salicalis** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 122, 1776; WALKER, Cat. Brit. Mus., xvi, 19, 1858; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 2790, 1901. — Tex., Eur.

syn. *salicis* SMITH, Bull. 48, U. S. Nat. Mus., 91, 1895.

3062. **interpuncta** GROTE, Trans. Am. Ent. Soc., iv, 93. 1872; SMITH, C. 384; Bull. 48, U. S. Nat. Mus., 90, 1895. — Atl. States, Ariz.

syn. *saligna* ZELLER, *rufa* GROTE, Can. Ent., xv, 31, 1883; SMITH, C. 384.

LOMANALTES Grote.

GROTE, Bull. Buff. Soc., i, 13, 1873; SMITH, Bull. 48, U. S. Nat. Mus., 109, 1895.

3063. **eductalis** WALKER, Cat. Brit. Mus., xvi, 36, 1859; SMITH, C. 390. — Atl. States.

syn. *lætulus* GROTE.

BOMOLOCHA Hübner.

HÜBNER, Verz. bek. Schmett., 343, 1816; SMITH, Bull. 48, U. S. Nat. Mus., 91, 1895.

3064. **manalis** WALKER, Cat. Brit. Mus., xvi, 33, 1859; SMITH, C. 390; Bull. 48, U. S. Nat. Mus., 95, 1895. — Atl. States.

3065. **baltimoralis** GUENÉE, Spec. Gén., viii, 34, 1854; SMITH, C. 390; Bull. 48, U. S. Nat. Mus., 96, 1895. — Atl. States.

syn. *benignalis* WALKER, *laciniosa* ZELLER.

3066. **bijugalis** WALKER, Cat. Brit. Mus., xvi, 32, 1859; SMITH, C. 391; Bull. 48, U. S. Nat. Mus., 97, 1895. — Atl. States.

syn. *fœdalis* GROTE, *pallidalis* ZELLER.

3067. **scutellaris** GROTE, Can. Ent., v, 225, 1873; SMITH, C. 390; Bull. 48, U. S. Nat. Mus., 98, 1895. — Atl. States.

3068. **abalinealis** WALKER, Cat. Brit. Mus., xvi, 31, 1859; SMITH, C. 391; Bull. 48, U. S. Nat. Mus., 100, 1895. — Atl. States.

3069. **madefactalis** GUENÉE, Spec. Gén., viii, 35, 1854; SMITH, C. 391; Bull. 48, U. S. Nat. Mus., 102, 1895. — Atl. States.

syn. *achatinalis* ZELLER; SMITH, C. 391; *damnosalis* WALKER, *caducalis* WALKER, Cat. Brit. Mus., xvi, 35, 1859; SMITH, C. 393; *profecta* GROTE.

3070. **sordidula** GROTE, Trans. Am. Ent. Soc., iv, 296, 1873; SMITH, C. 392; Bull. 48, U. S. Nat. Mus., 103, 1895. — Atl. States.

*3071. **mitographa** GROTE, Trans. Am. Ent. Soc., iv, 296, 1873; SMITH, C. 392. — Ala.

3072. **toreuta** GROTE, Trans. Am. Ent. Soc., iv, 24, 1872; SMITH, C. 392; Bull. 48, U. S. Nat. Mus., 105, 1895. — Atl. States.

syn. *albisignalis* ZELLER.

3073. **deceptalis** WALKER, Cat. Brit. Mus., xvi, 30, 1859; SMITH, C. 393; Bull. 48, U. S. Nat. Mus., 101, 1895. — Atl. States.

syn. *perangulalis* HARVEY.

3074. **edictalis** WALKER, Cat. Brit. Mus., xvi, 28, 1859; SMITH, C. 393; Bull. 48, U. S. Nat. Mus., 106, 1895. — Atl. States.

syn. *lentiginosa* GROTE, *cellifera* GROTE.

3075. **citata** GROTE, Trans. Am. Ent. Soc., iv, 101, 1872; SMITH, Bull. 48, U. S. Nat. Mus., 107, 1895. — Atl. States.

syn. *trituberalis* ZELLER, *idæusalis* SMITH (not WALKER), C. 392.

3076. **umbralis** SMITH, Bull. Brook. Ent. Soc., vii, 41, 1884; C. 392; Bull. 48, U. S. Nat. Mus., 104, 1895. — Fla.

3077. **vega** SMITH, Proc. U. S. Nat. Mus., xxii, 494, 1900. — N. Mex.

*3078. **annulalis** GROTE, Check List Noct., 45, 1876; SMITH, C. 391; Bull. 48, U. S. Nat. Mus., 108, 1895. — Tex.

*3078. 1. **idæusalis** WALKER, Cat. Brit. Mus., xix, 839, 1859; SMITH, Bull. 48, U. S. Nat. Mus., 108, 1895. — U. S.

PLATHYPENA Grote.

GROTE, Bull. Buff. Soc., i, 38, 1873; SMITH, Bull. 48, U. S. Nat. Mus., 110, 1895.

3079. **scabra** FABRICIUS, Ent. Syst., suppl. 4, 448, 1794; SMITH, C. 395; Bull. 38, U. S. Nat. Mus., 111, 1895. — Atl. States.

syn. *erectalis* GUENÉE, *palpalis* HAWORTH, *crassatus* HAWORTH, *obesalis* STEPHENS.

a. **subrufalis** GROTE, Trans. Am. Ent. Soc., iv, 102, 1872.

HYPENA Schrank.

SCHRANK, Faun. Boica, ii, 2, 163, 1802; SMITH, Bull. 48, U. S. Nat. Mus., 112, 1895.

3080. **humuli** HARRIS, Cat. Ins. Mass., 74, 1855; SMITH, C. 394; Bull. 48, U. S. Nat. Mus., 112, 1895. — Atl. States, Col.

syn. *cranidalis* ROBINSON, *germanalis* WALKER.

a. **olivacea** GROTE, Can. Ent., v, 226, 1873.

b. **albopunctata** TEPPER, Bull. Brook. Ent. Soc., iv, 2, 1881.

3081. **californica** BEHR, Trans. Am. Ent. Soc., iii, 23, 1870; SMITH, C. 394; Bull. 48, U. S. Nat. Mus., 116, 1895. — Pac. States.

a. **decorata** SMITH, Bull. Brook. Ent. Soc., vii, 4, 1884.

3082. **modesta** SMITH, Bull. 48, U. S. Nat. Mus., 117, 1895. — Cal.

Family NYCTEOLIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 117, 1893.)

NYCTEOLA Hübner.

HÜBNER, Tent., 2, 1806; KIRBY, Cat. Lep. Het., i, 369, 1892.

3083. **revayana** SCOPOLI, Ann. Nat. Hist., v, 116, 1772; KIRBY, Cat. Lep. Het., i, 369, 1892. — Eur., U. S.

syn. *ramosana* HÜBNER, *dilutana* HÜBNER, *undulana* HÜBNER, *degenerana* HÜBNER, *punctana* HÜBNER, *stoninus* CURTIS, *duplana* FABRICIUS, *rivagana* FABRICIUS, *fasciatanum* RETZIUS, *glaucana* LAMPA.

a. **lintnerana** SPEYER, Stett. ent. Zeit., xxxv, 170, 1875; NEUMOEGEN & DYAR, C. 117.

b. **columbiana** HY. EDWARDS, Proc. Cal. Acad. Sci., v, 184, 1874.

c. **cinereana** NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 117, 1893.

3084. **proteella** DYAR, Jn. N. Y. Ent. Soc., vi, 40, 1898. — Atl. States.

Family PERICOPIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 26, 1894.)

DARITIS Walker.

WALKER, Cat. Brit. Mus., iii, 618, 1855.

3085. **howardi** HY. EDWARDS, Ent. Amer., ii, 165, 1887; NEUMOEGEN & DYAR, C. 26; DRUCE, Biol. Cent. Am., Lep. Het., ii, 387, 1897. — Ariz.

COMPOSIA Hübner.

HÜBNER, Verz. bek. Schmett., 179, 1822.

3086. **fidellissima** HERRICH-SCHAEFFER, Corr.-Blatt. Reg., xx, 131, 1866; NEUMOEGEN & DYAR, C. 26. — Fla., Antilles.

syn. *olympia* BUTLER.

GNOPHÆLA Walker.

WALKER, Cat. Brit. Mus., ii, 330, 1854.

3087. **latipennis** BOISDUVAL, Ann. Soc. Ent. Fr., (2), x, 320, 1852; NEUMOEGEN & DYAR, C. 27. — Pac. States, Rocky Mts.

syn. *hopfferi* GROTE & ROBINSON.

a. **discreta** STRETCH, Surv. W. 100th Mer., Wheeler, 802, 1878.

syn. *arizonæ* FRENCH, *morrisoni* DRUCE.

b. **vermiculata** GROTE & ROBINSON, Proc. Ent. Soc. Phil., ii, 334, 1863.

syn. *continua* HY. EDWARDS.

3088. **clappiana** HOLLAND, Ent. News, ii, 156, 1891; NEUMOEGEN & DYAR, C. 27. — Col., Ariz.

Family DIOPTIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 111, 1894.)

PHRYGANIDIA Packard.

PACKARD, Proc. Ent. Soc. Phil., iv, 348, 1864.

3089. **californica** PACKARD, Proc. Ent. Soc. Phil., iv, 348, 1864; NEUMOEGEN & DYAR, C. 111. — Cal.

Family NOTODONTIDÆ.

(C.=PACKARD, Monog. Not., Mem. Nat. Acad. Sci., vii, 87–284, 1895.)

APATELODES Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 253, 1864; PACKARD, C. 99.

3090. **torrefacta** SMITH & ABBOT, Lep. Ins. Ga., 151, 1797; PACKARD, C. 100. — Atl. States.

a. **floridana** HY. EDWARDS, Ent. Amer., ii, 13, 1886.

3091. **angelica** GROTE, Proc. Ent. Soc. Phil., iii, 322, 1864; PACKARD, C. 103. — Atl. States.

syn. *hyalinopuncta* PACKARD.

a. **indistincta** HY. EDWARDS, Ent. Amer., ii, 13, 1886.

MELALOPHA Hübner.

HÜBNER, Tent., 1, 1806; PACKARD, C. 123.

3092. **apicalis** WALKER, Cat. Brit. Mus., v, 1058, 1855; PACKARD, C. 125. — U. S.

syn. *vau* FITCH, *indentata* PACKARD.

a. **ornata** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 191, 1868.

syn. *incarcerata* BOISDUVAL.

b. **astoriæ** HY. EDWARDS, Ent. Amer., ii, 14, 1886.

c. **bifiria** HY. EDWARDS, Ent. Amer., ii, 167, 1886.

3093. **inornata** NEUMOEGEN, Pap., ii, 134, 1882; PACKARD, C. 130. — Ariz.

3094. **inclusa** HÜBNER, Zutr. exot. Schmett., 36, 1825; PACKARD, C. 131. — Atl. States.

syn. *americana* HARRIS.

a. **inversa** PACKARD, Proc. Ent. Soc. Phil., iii, 352, 1864.

syn. *palla* FRENCH.

b. **jocosa** HY. EDWARDS, Ent. Amer., ii, 10, 1886.

3095. **strigosa** GROTE, Bull. Geol. Serv. Terr., vi, 532, 1882; PACKARD, C. 130. — No. Atl. States.

a. **luculenta** HY. EDWARDS, Ent. Amer., ii, 10, 1886.

3096. **albosigma** FITCH, Second Rept. Ins. N. Y., 274, 1855; PACKARD, C. 138. — U. S.

a. **specifica** DYAR, Can. Ent., xxiv, 180, 1892.

3097. **brucei** HY. EDWARDS, Ent. Amer., i, 17, 1885; PACKARD, C. 137. — No. U. S.

a. **multnoma** DYAR, Can. Ent., xxiv, 179, 1892.

syn. *alethe* NEUMOEGEN & DYAR.

DATANA Walker.

WALKER, Cat. Brit. Mus., v, 1060, 1855; PACKARD, C. 105.

3098. **ministra** DRURY, Ill. Exot. Ent., ii, 25, 1773; PACKARD, C. 106. — Atl. States.

3099. **californica** DYAR, Ent. Amer., vi, 127, 1890; PACKARD, C. 108. — Cal.

3100. **angusii** GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 9, 1866; PACKARD, C. 110. — Atl. States.

3101. **drexelii** HY. EDWARDS, Pap., iv, 25, 1884; PACKARD, C. 112. — Atl. States.

3102. **major** GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 12, 1866; PACKARD, C. 113. — Atl. States.

3103. **palmii** BEUTENMÜLLER, Psyche, vi, 297, 1890; PACKARD, C. 116. — Atl. States.

3104. **floridana** GRAEF, Bull. Brook. Ent. Soc., ii, 37, 1879; PACKARD, C. 115. — Fla.

*3105. **modesta** BEUTENMÜLLER, Psyche, vi, 297, 1890; PACKARD, C. 117. — Fla.

3106. **perspicua** GROTE & ROBINSON, Proc. Ent. Soc. Phil., iv, 489, 1865; PACKARD, C. 119. — Atl. States.

a. **messillæ** COCKERELL, Psyche, viii, 41, 1897.

*3107. **robusta** STRECKER, Lep. Rhop. Het., 131, 1872; PACKARD, C. 119. — Tex.

3108. **integerrima** GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 12, 1866; PACKARD, C. 120. — Atl. States.

3109. **chiriquensis** DYAR, Jn. N. Y. Ent. Soc., iii, 167; 1895. — Ariz., Mex.

3110. **contracta** WALKER, Cat. Brit. Mus., v, 1062, 1855; PACKARD, C. 122; BEUTENMÜLLER, Ent. News, i, 144, 1890. — Atl. States.

HYPERÆSCHRA Butler.

BUTLER, Ann. Mag. Nat. Hist., (5), vi, 65, 1880; DYAR, Trans. Am. Ent. Soc., xxiv, 16, 1897.

3111. **stragula** GROTE, Proc. Ent. Soc. Phil., iii, 93, 1864; PACKARD, C. 165; SCHAUS, Trans. Ent. Soc. Lond., 330, 1901. — U. S.

syn. *scitipennis* WALKER.

a. **manitou** NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 35, 1893.

b. **pacifica** BEHR, Proc. Cal. Acad. Sci., (2), iii, 206, 1892.

3112. **georgica** HERRICH-SCHAEFFER, Samml. ausser. Schmett., 66, 1856; PACKARD, C. 153. — Atl. States.

3113. **tortuosa** TEPPER, Bull. Brook. Ent. Soc., iv, 2, 1881; PACKARD, C. 153. — Col., Ariz.

ODONTOSIA Hübner.

HÜBNER, Verz. bek. Schmett., 145, 1818; DYAR, Trans. Am. Ent. Soc., xxiv, 16, 1897.

3114. **elegans** STRECKER, Proc. Acad. Nat. Sci. Phil., 285, 1884; PACKARD, C. 156; SCHAUS, Trans. Ent. Soc. Lond., 329, 1901. — Rocky Mts., Can.

a. **grisea** STRECKER, Proc. Acad. Nat. Sci. Phil., 286, 1884; NEUMOEGEN & DYAR, Trans. Am. Ent. Soc., xxi, 184, 1894.

syn. *notaria* HY. EDWARDS.

PTILODON Hübner.

HÜBNER, Tent., 1, 1806; DYAR, Trans. Am. Ent. Soc., xxiv, 16, 1897.

*3115. **americana** HARVEY, Can. Ent., ix, 95, 1877; PACKARD, C. 156 (=Eur. sp., *capucina* LINNÆUS?). — Atl. States.

NOTODONTA Ochsenheimer.

OCHSENHEIMER, Schmett. Eur., ii, 45, 1810; DYAR, Trans. Am. Ent. Soc., xxiv, 15, 1897.

3116. **basitriens** WALKER, Cat. Brit. Mus., v, 1000, 1855; PACKARD, C. 152; SCHAUS, Trans. Ent. Soc. Lond., 330, 1901. — Atl. States.

3117. **simplaria** GRAEF, Bull. Brook. Ent. Soc., iii, 95, 1881; PACKARD, C. 167. — No. Atl. States.

PHEOSIA Hübner.

HÜBNER, Verz. bek. Schmett., 145, 1816; PACKARD, C. 157.

3118. **dimidiata** HERRICH-SCHAEFFER, Ausser. Schmett., 66, 1856; PACKARD, C. 158; SCHAUS, Trans. Ent. Soc. Lond., 331, 1901. — Atl. States. Rocky Mts., Can.

syn. *rimosa* PACKARD, *californica* STRETCH.

3119. **portlandia** Hy. Edwards, Ent. Amer., ii, 168, 1886; Packard, C. 158. — No. Pac. States.

syn. *deschereci* Neumoegen.

LOPHODONTA Packard.

Packard, Proc. Ent. Soc. Phil., iii, 358, 1864; C. 146.

3120. **ferruginea** Packard, Proc. Ent. Soc. Phil., iii, 357, 1864; C. 150; Schaus, Trans. Ent. Soc. Lond., 330, 1901. — Atl. States.

3121. **angulosa** Smith & Abbot, Lep. Ins. Ga., 165, 1797; Packard, C. 147. — Atl. States.

EUNYSTALEA Grote.

Grote, Abh. natur. Ver. Bremen, xiv, 7, 1895; Dyar, Trans. Am. Ent. Soc., xxiv, 14, 1897.

*3122. **indiana** Grote, Pap., iv, 7, 1884; Schaus, Trans. Ent. Soc. Lond., 326, 1901. — Fla.

NADATA Walker.

Walker, Cat. Brit. Mus., v, 1062, 1855; Packard, C. 141.

3123. **gibbosa** Smith & Abbot, Lep. Ins. Ga., ii, 163, 1797; Packard, C. 142. — U. S.

a. **doubledayi** Packard, Proc. Ent. Soc. Phil., iii, 365, 1864.

b. **rubripennis** Neumoegen & Dyar, Jn. N. Y. Ent. Soc., i, 24, 1893.

c. **oregonensis** Butler, Ann. Mag. Nat. Hist., (5), viii, 317, 1881.

d. **behrensii** Hy. Edwards, Ent. Amer., i, 49, 1885.

NERICE Walker.

Walker, Cat. Brit. Mus., v, 1076, 1855; Packard, C. 169.

3124. **bidentata** Walker, Cat. Brit. Mus., v, 1076, 1855; Packard, C. 171; Schaus, Trans. Ent. Soc. Lond., 267, 1901. — Atl. States.

SYMMERISTA Hübner.

Hübner, Verz. bek. Schmett., 248, 1816; Packard, C. 177.

3125. **albifrons** Smith & Abbot, Lep. Ins. Ga., ii, 159, 1797; Packard, C. 179. — Atl. States, Rocky Mts.

a. **albicosta** Hübner, Eur. Schmett., Noct., f. 440, 1804.

b. **suavis** Barnes, Can. Ent., xxxiii, 53, 1901.

*3125. 1. **plagiata** Walker, Cat. Brit. Mus., xxxii, 427, 1865; Neumoegen & Dyar, Jn. N. Y. Ent. Soc., ii, 173, 1894 (type lost). — Can.

HIPPIA Möschler.

Möschler, Verh. zool.-bot. Ges. Wien, xxvii, 693, 1878; Schaus, Trans. Ent. Soc. Lond., 287, 1901.

3126. **packardii** Morrison, Ann. Lyc. Nat. Hist. N. Y., xi, 92, 1875; Packard, C. 183. — Tex.

DASYLOPHIA Packard.

Packard, Proc. Ent. Soc. Phil., iii, 362, 1864; C. 172.

3127. **anguina** Smith & Abbot, Lep. Ins. Ga., 167, 1797; Packard, C. 174. — Atl. States, Col.

syn. *cuculifera* Herrich-Schaeffer, *punctata* Walker, *cana* Walker, *signata* Walker.

a. **puntagorda** Slosson, Can. Ent., xxiv, 129, 1892.

b. **saturata** Barnes, Can. Ent., xxxiii, 53, 1901.

3128. **thyatiroides** Walker, Trans. Ent. Soc. Lond., (3), i, 79, 1862; Packard, C. 177. — Atl. States.

syn. *interna* Packard, *tripartita* Walker.

*3129. **seriata** Druce, Biol. Cent. Am., Lep. Het., i, 235, 1887. — Ariz., Mex.

syn. *melanopa* Barnes, Can. Ent., xxxiii, 54, 1901.

LITODONTA Harvey.

Harvey, Can. Ent., viii, 5, 1876; Packard, C. 220.

3130. **hydromeli** Harvey, Can. Ent., viii, 5, 1876; Packard, C. 253. — Tex.

a. **fusca** Harvey, Can. Ent., viii, 110, 1876.

HETEROCAMPA Doubleday.

Doubleday, Entom., 97, 1841; Packard, C. 220.

*3131. **lineata** Druce, Biol. Cent. Am., Lep. Het., i, pl. 25, f. 11, 1887. — Mex., Fla.?

3132. **astarte** Doubleday, Ent., 57, 1841; Packard, C. 247; Schaus, Trans. Ent. Soc. Lond., 302, 1901. — So. States.

syn. *varia* Walker, *menas* Harris.

3133. **obliqua** Packard, Proc. Ent. Soc. Phil., iii, 368, 1864; C. 242. — No. Atl. States.

a. **trouvelottii** Packard, Proc. Ent. Soc. Phil., iii, 368, 1864.

syn. *brunnea* Grote & Robinson.

3134. **picta** FELDER, Reise Nov., pl. 97, f. 19, 1874; SCHAUS, Trans. Ent. Soc. Lond., 303, 1901. — So. States.

syn. *chapmani* GROTE, Bull. U. S. Geol. Surv. Terr., vi, 258, 1891; PACKARD, C. 251; *perolivata* PACKARD, Mem. Nat. Acad. Sci., vii, 246, 1895.

3135. **lunata** HY. EDWARDS, Pap., iv, 64, 1884; PACKARD, C. 248. — Ariz., Mex.

syn. *plumosa* HY. EDWARDS.

3136. **umbrata** WALKER, Cat. Brit. Mus., v, 1023, 1855; PACKARD, C. 249; SCHAUS, Trans. Ent. Soc. Lond., 302, 1901 (*pulverea* sp. distinct). — Atl. States.

syn. *semiplaga* WALKER, *pulverea* GROTE & ROBINSON, *athereo* HARRIS.

3137. **manteo** DOUBLEDAY, Ent., 58, 1841; PACKARD, C. 224; DYAR, Ent. News, iv, 262, 1893. — Atl. States.

syn. *cinerascens* WALKER, *subalbicans* GROTE.

3138. **subrotata** HARVEY, Bull. Buff. Soc., i, 263, 1874; PACKARD, C. 252. — Tex.

syn. *celtiphaga* HARVEY, *superba* HY. EDWARDS.

3139. **belfragei** GROTE, Can. Ent., xi, 209, 1879; PACKARD, C. 250. — Tex.

3140. **biundata** WALKER, Cat. Brit. Mus., v, 1025, 1855; PACKARD, C. 235. — Atl. States.

syn. *olivatus* PACKARD, *mollis* WALKER.

3141. **guttivitta** WALKER, Cat. Brit. Mus., v, 992, 1855; PACKARD, C. 230. — Atl. States.

syn. *albiplaga* WALKER, *mucorea* HERRICH-SCHAEFFER, *harrisii* PACKARD, *intedermina* WALKER, *doubledayi* SCUDDER, *cinereus* PACKARD.

3142. **bilineata** PACKARD, Proc. Ent. Soc. Phil., iii, 359, 1864; C. 218. — Atl. States.

syn. *turbida* WALKER, *associata* WALKER, *ulmi* HARRIS.

MISOGADA Walker.

WALKER, Cat. Brit. Mus., xxxii, 449, 1865; SCHAUS, Trans. Ent. Soc. Lond., 300, 1901.

3143. **unicolor** PACKARD, Proc. Ent. Soc. Phil., iii, 373, 1864; C. 254. — Atl. States.

syn. *marina* PACKARD, *cinerea* SCHAUS (not PACKARD), *sobria* WALKER.

EUHYPARPAX Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., v, 19, 1893; PACKARD, C. 187.

*3144. **rosea** BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., v, 19, 1893; PACKARD, C. 188. — Col.

IANASSA Walker.

WALKER, Cat. Brit. Mus., v, 1101, 1855; PACKARD, C. 188; *Dicentria* HERRICH-SHAEFFER, Ausser. Schmett., i, 11, 1855; SCHAUS, Trans. Ent. Soc. Lond., 296, 1901.

3145. **lignicolor** WALKER, Cat. Brit. Mus., v, 1101, 1855; PACKARD, C. 189. — Atl. States.
syn. *virgata* PACKARD, *lignigera* WALKER.

3146. **coloradensis** HY. EDWARDS, Ent. Amer., i, 17, 1885; PACKARD, C. 210. — Col., N. Mex.

3147. **pallida** STRECKER, Lep. Rhop. Het., suppl. 2, 5, 1899. — Col., Oreg.

SCHIZURA Doubleday.

DOUBLEDAY, Ent., 59, 1841; PACKARD, C. 192.

3148. **ipomœæ** DOUBLEDAY, Ent., 59, 1841; PACKARD, C. 194. — U. S.
syn. *biguttatus* PACKARD, *confusa* WALKER, *ducens* WALKER, *cortica* WALKER, *compta* WALKER, *nigrosignata* WALKER.
a. **telifer** GROTE, No. Am. Ent., 99, 1880.
b. **cinereofrons** PACKARD, Proc. Ent. Soc. Phil., iii, 366, 1864.
syn. *ustipennis* WALKER.

3149. **concinna** SMITH & ABBOT, Lep. Ins. Ga., ii, 169, 1797; PACKARD, C. 212. — U. S.
syn. *nitida* PACKARD.

3150. **semirufescens** WALKER, Cat. Brit. Mus., xxxii, 450, 1865; SCHAUS, Trans. Ent. Soc. Lond., 296, 1901. — Atl. States.
syn. *eximia* GROTE; PACKARD, C. 210.
a. **perangulata** HY. EDWARDS, Pap., ii, 125, 1882. — Col.

3151. **unicornis** SMITH & ABBOT, Lep. Ins. Ga., ii, 170, 1797; PACKARD, C. 203. — U. S.
syn. *edmandsii* PACKARD, *humilis* WALKER, *conspecta* HY. EDWARDS.

3152. **apicalis** GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 15, 1886; PACKARD, C. 203. — Atl. States.

3153. **badia** PACKARD, Proc. Ent. Soc. Phil., iii, 361, 1864; C. 208. — Atl. States.
syn. *significata* WALKER.

3154. **leptinoides** GROTE, Proc. Ent. Soc. Phil., iii, 323, 1864; PACKARD, C. 199. — Atl. States.
syn. *mustelina* PACKARD.

HYPARPAX Hübner.

Hübner, Samml. exot. Schmett., ii, 1824; Packard, C. 184.

3155. **aurora** Smith & Abbot. Lep. Ins. Ga., ii, 173, 1797; Packard, C. 184. — Atl. States.

syn. *rosea* Walker, *venusta* Walker.

3156. **venus** Neumoegen. Can. Ent., xxiv, 226, 1892; Packard, C. 187. — Col.

3157. **perophoroides** Strecker. Proc. Acad. Nat. Sci. Phil., 152, 1876; Packard, C. 187. — Fla.

syn. *aurostriata* Graef.

a. **tyria** Slosson. Ent. News, v, 198, 1894.

*3158. **aonides** Strecker. Lep. Rhop. Het., suppl. 2, 4, 1899. — N. Mex.

CERURA Schrank.

Schrank, Faun. Boica, ii, 155, 1802; Packard, C. 263; Dyar, Trans. Am. Ent. Soc., xxiv, 10, 1897.

3159. **scitiscripta** Walker. Cat. Brit. Mus., xxxii, 408, 1865; Packard, C. 276. — Atl. States, Mex.

a. **multiscripta** Riley. Trans. St. Louis Acad. Sci., iii, 241, 1875.

b. **candida** Lintner. Ent. Cont., iv, 57, 1878.

3160. **occidentalis** Lintner. Ent. Cont., iv, 82, 1878; Packard, C. 268. — Atl. States.

HARPYIA Ochsenheimer.

Ochsenheimer, Schmett. Eur., iii, 19, 1810; Dyar, Trans. Am. Ent. Soc., xxiv, 10, 1897.

3161. **borealis** Boisduval, in Guérin, Icon. Règ. An., pl. 88, f. 5, 1829; Packard, C. 264. — Atl. States.

3162. **cinerea** Walker. Cat. Brit. Mus., xxxii, 407, 1865; Packard, C. 273. — U. S.

a. **cinereoides** Dyar. Can. Ent., xxii, 253, 1890.

b. **placida** Dyar. Psyche, vi, 291, 1892.

c. **paradoxa** Behr. Bull. Cal. Acad. Sci., 64, 1885.

3163. **nivea** Neumoegen. Can. Ent., xxiii, 124, 1891; Packard, C. 273. — Ariz., Mont.

a. **meridionalis** Dyar. Psyche, vi, 291, 1892; Kunzé. Jn. N. Y. Ent. Soc., vi, 188, 1898.

3164. **scolopendrina** Boisduval. Ann. Soc. Ent. Belg., xii, 86, 1870; Packard, C. 270. — No. U. S.

syn. *aquilonaris* Lintner.

a. **modesta** Hudson. Can. Ent., xxiii, 197, 1891.

b. **albicoma** Strecker, Proc. Acad. Nat. Sci. Phil., 284, 1884.

FENTONIA Butler.

BUTLER, Trans. Ent. Soc. Lond., 20, 1881; DYAR, Trans. Am. Ent. Soc., xxiv, 10, 1897.

3165. **marthesia** CRAMER, Pap. Exot., pl. 98, f. A, 1779; PACKARD, C. 257. — Atl. States.

syn. *tesella* PACKARD, *turbida* WALKER.

a. **elongata** GROTE, Trans. Am. Ent. Soc., i, 182, 1867.

syn. *dorothea* DYAR, Can. Ent., xxviii, 176, 1896.

GLUPHISIA Boisduval.

BOISDUVAL, Ind. Méth., 88, 1840; PACKARD, C. 89.

3166. **septentrionalis** WALKER, Cat. Brit. Mus., v, 1038, 1855; PACKARD, C. 90. — U. S.

syn. *clandestina* WALKER, *trilineata* PACKARD.

a. **ridenda** HY. EDWARDS, Ent. Amer., ii, 11, 1886; PACKARD, C. 93.

b. **quinquelinea** DYAR, Ent. News, iii, 158, 1892.

3167. **wrightii** HY. EDWARDS, Ent. Amer., ii, 11, 1886; PACKARD, C. 93. — S.-W. U. S.

syn. *albofascia* HY. EDWARDS.

a. **rupta** HY. EDWARDS, Ent. Amer., ii, 12, 1886.

b. **formosa** HY. EDWARDS, Ent. Amer., ii, 12, 1886.

3168. **severa** HY. EDWARDS, Ent. Amer., ii, 167, 1886; PACKARD, C. 96. — No. U. S.

a. **danbyi** NEUMOEGEN, Can. Ent., xxiv, 225, 1892.

b. **avimacula** HUDSON, Ent. News, ii, 155, 1891.

c. **slossonii** PACKARD, Mem. Nat. Acad. Sci., vii, 97, 1895.

3169. **lintneri** GROTE, Can. Ent., ix, 85, 1877; PACKARD, C. 96. — No. Atl. States.

ELLIDA Grote.

GROTE, Can. Ent., viii, 125, 1876; PACKARD, C. 168.

3170. **caniplaga** WALKER, Cat. Brit. Mus., ix, 1856; PACKARD, C. 169. — Atl. States.

syn. *transversata* WALKER, *gelida* GROTE.

HEMICERAS Guenée.

GUENÉE, Spec. Gén., vii, 379, 1852; SCHAUS, Trans. Ent. Soc. Lond., 333, 1901.

3171. **cadmia** GUENÉE, Spec. Gén., vii, 383, 1852; SMITH, Bull. 44, U. S. Nat. Mus., 260, 1893. — So. States.

syn. *obliquilinea* WALKER.

CARGIDA Schaus.

SCHAUS, Trans. Ent. Soc. Lond., 267, 1901.

*3172. **pyrrha** DRUCE, Biol. Cent. Am., Lep. Het., ii, 459, 1898. — Ariz., Mex.

CRINODES Herrich-Schaeffer.

HERRICH-SCHAEFFER, Äusser. Schmett., i, 11, 1855; SCHAUS, Trans. Ent. Soc. Lond., 276, 1901.

*3172. 1. **beskei** HÜBNER, Samml. exot. Schmett., ii, 1824; SCHAUS, Trans. Ent. Soc. Lond., 276, 1901. — Ariz., Mex.

Family THYATIRIDÆ.

(C.=SMITH, Bull. 44, U. S. Nat. Mus., 27–29, 1893.)

HABROSYNE Hübner.

HÜBNER, Verz. bek. Schmett., 236, 1816; HAMPSON, Moths Ind., i, 178, 1892.

3173. **scripta** GOSSE, Can. Nat., 249, 1840; SMITH, C. 27; DYAR, Can. Ent., xxvii, 129, 1895. — No. Atl. States.

*3174. **chatfeldii** GROTE, Abhl. natur. Ver. Brem., xiv, 10, 1895. — No. Pac. States.

3175. **rectangulata** OTTOLENGUI, Ent. News, viii, 25, 1897; WINN, Ent. News, viii, 99, 1897. — Atl. States, Rocky Mts.

PSEUDOTHYATIRA Grote.

GROTE, Proc. Ent. Soc. Phil., iii, 539, 1865; SMITH, C. 28.

3176. **cymatophoroides** GUENÉE, Spec. Gén., v, 13, 1852; SMITH, C. 25. — Atl. States.

3177. **expultrix** GROTE, Proc. Ent. Soc. Phil., ii, 58, 1863; SMITH, C. 28. — Atl. States.

THYATIRA Hübner.

HÜBNER, Verz. bek. Schmett., 236, 1816.

3178. **mexicana** HY. EDWARDS, Pap., iv, 16, 1884. — Ariz., Mex.
syn. *superba* BARNES, Can. Ent., xxviii, 55, 1901.

EUTHYATIRA Smith.

SMITH, List. Lep. Bor. Am., 34, 1891; C. 27.

3179. **lorata** GROTE, Pap., i, 75, 1881; SMITH, C. 27. — No. Pac. States.

3180. **pudens** GUENÉE, Spec. Gén., v, 13, 1852; SMITH, C. 29; DYAR, Can. Ent., xxvii, 129, 1895. — No. Atl. States.

a. **anticostiensis** GROTE, Can. Ent., xviii, 215, note, 1886.

b. **pennsylvanica** SMITH, Jn. N. Y. Ent. Soc., x, 34, 1902.

3181. **semicircularis** GROTE, Pap., i, 75, 1881; SMITH, C. 29. — No. Pac. States.

*3182. **candida** SMITH, Ent. Amer., vi, 179, 1890; C. 29. — Fla.

*3183. **tema** STRECKER, Lep. Rhop. Het., suppl. 1, 5, 1898. — No. Pac. States.

BOMBYCIA Hübner.

HÜBNER, Tent., 1, 1816; SMITH, C. 29; DYAR, Can. Ent., xxvii, 129, 1895.

*3184. **improvisa** HY. EDWARDS, Proc. Cal. Acad. Sci., v, 189, 1873; SMITH, C. 29. — Pac. States.

syn. *tearlii* HY. EDWARDS.

Family LIPARIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 28–30, 57–60, 1894.)

GYNÆPHORA Hübner.

HÜBNER, Verz. bek. Schmett., 161, 1822; DYAR, Can. Ent., xxix, 15, 1897.

3185. **rossii** CURTIS, Ross Second Voyage, app., 70, 1835; NEUMOEGEN & DYAR, C. 59. — Arctic Am.

3186. **grœnlandica** HOMEYER, Zweite deut. Nordp.-Fahrt, ii, 469, 1874; NEUMOEGEN & DYAR, C. 59. — Arctic Am.

NOTOLOPHUS Germar.

GERMAR, Syst. Gloss. Prod., 35, 1812; NEUMOEGEN & DYAR, C. 28.

3187. **antiqua** LINNÆUS, Syst. Nat., i, 503, 1758; NEUMOEGEN & DYAR, C. 28. — No. U. S., Eur.

syn. *nova* FITCH.

a. **badia** HY. EDWARDS, Proc. Cal. Acad. Sci., v, 188, 1874; NEUMOEGEN & DYAR, C. 29.

*3188. **oslari** BARNES, Can. Ent., xxxii, 45, 1900. — Col.

syn. *libera* STRECKER, Lep. Rhop. Het., suppl. 3, 29, 1900.

HEMEROCAMPA Dyar.

DYAR, Can. Ent., xxix, 15, 1897.

3189. **vetusta** BOISDUVAL, Ann. Soc. Ent. Fr., x, 322, 1852; NEUMOEGEN & DYAR, C. 29. — Cal.

a. **cana** HY. EDWARDS, Pap., i, 61, 1881.

b. **gulosa** HY. EDWARDS, Pap., i, 61, 1881.

3190. **leucostigma** SMITH & ABBOT, Lep. Ins. Ga., ii, pl. 79, 1797; NEUMOEGEN & DYAR, C. 30. — Atl. States.

syn. *leucographa* GEYER, *intermedia* FITCH, *borealis* FITCH, *obliviosa* HY. EDWARDS.

3191. **inornata** BEUTENMÜLLER, Psyche, v, 300, 1890; NEUMOEGEN & DYAR, C. 30; DYAR, Psyche, ix, 143, 1900. — Atl. States.

syn. *falcata* SCHAUS, Jn. N. Y. Ent. Soc., iv, 153, 1896; DRUCE, Biol. Cent. Am., Lep. Het., ii, 411, pl. 79, f. 7, 1897.

3192. **definita** PACKARD, Proc. Ent. Soc. Phil., iii, 332, 1864; NEUMOEGEN & DYAR, C. 29. — Atl. States.

OLENE Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 19, 1823; NEUMOEGEN & DYAR, C. 30.

3193. **achatina** SMITH & ABBOT, Lep. Ins. Ga., ii, pl. 77, 1797; NEUMOEGEN & DYAR, C. 57. — Atl. States.

syn. *parallela* GROTE & ROBINSON.

a. **tephra** HÜBNER, Samml. exot. Schmett., i, 1805; NEUMOEGEN & DYAR, C. 57.

syn. *obliquata* GROTE & ROBINSON.

b. **cinnamomea** GROTE & ROBINSON, Proc. Ent. Soc. Phil., vi, 6, 1866.

3194. **leucophæa** SMITH & ABBOT, Lep. Ins. Ga., ii, pl. 78, 1797; NEUMOEGEN & DYAR, C. 57. — Atl. States.

a. **basiflava** PACKARD, Proc. Ent. Soc. Phil., iii, 332, 1864.

b. **atrivenosa** PALM, Jn. N. Y. Ent. Soc., i, 21, 1893.

c. **manto** STRECKER, Lep. Rhop. Het., suppl. 3, 29, 1900.

3195. **plagiata** WALKER, Cat. Brit. Mus., iv, 199, 1855; NEUMOEGEN & DYAR, C. 58. — Atl. States.

syn. *atomaria* WALKER, *clintonii* GROTE & ROBINSON.

PORTHETRIA Hübner.

HÜBNER, Verz. bek. Schmett., 160, 1822; NEUMOEGEN & DYAR, C. 58.

3196. **dispar** LINNÆUS, Syst. Nat., i, 501, 1758; FERNALD, Gypsy Moth, 257, 1896. — Mass., Eur.

EUPROCTIS Hübner.

HÜBNER, Verz. bek. Schmett., 159, 1822; KIRBY, Cat. Lep. Het., i, 442, 1892; DYAR, Can. Ent., xxix, 16, 1897.

3197. **chrysorrhœa** LINNÆUS, Syst. Nat., 502, 1758; KIBBY, Cat. Lep. Het., i, 442, 1892; FERNALD & KIRKLAND, Brown Tail Moth, Sp. Bull. Mass. Agr. Coll., 1897. — Mass., Eur.

DOA Neumoegen & Dyar.

NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 171, 1894.

3198. **ampla** GROTE, Can. Ent., x, 232, 1878; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 155, 1893. — Ariz., Col.

LEUCULODES Dyar.

Leucula HULST (not GUENÉE), Trans. Am. Ent. Soc., xxiii, 317, 1896.

3199. **lacteolaria** HULST, Ent. Amer., ii, 51, 120, 1887. — Ariz.

Family LASIOCAMPIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 152–160, 1894.)

GLOVERIA Packard.

PACKARD, Rep. Peab. Acad., iv, 89, 1872; NEUMOEGEN & DYAR, C. 159.

3200. **dolores** NEUMOEGEN & DYAR, Ent. News, iv, 290, 1893; C. 159. — Col.

3201. **arizonensis** PACKARD, Rep. Peab. Acad., iv, 90, 1872; NEUMOEGEN & DYAR, C. 159. — Ariz.
syn. *dentata* HY. EDWARDS.

3202. **medusa** STRECKER, Ent. News, ix, 13, 1898. — Cal.

*3203. **gargamella** STRECKER, Proc. Acad. Nat. Sci. Phil., 286, 1884; NEUMOEGEN & DYAR, C. 159. — Ariz.

3204. **psidii** SALLÉ, Ann. Soc. Ent. Fr., (2), v, 16, 1857; KIRBY, Cat. Lep. Het., 834, 1892. — Ariz., Mex.

3205. **diazoma** GROTE, Pap., i, 175, 1881; NEUMOEGEN & DYAR, C. 159. — Ariz.

3206. **howardi** DYAR, Jn. N. Y. Ent. Soc., iv, 22, 1896. — Ariz.

ARTACE Walker.

WALKER, Cat. Brit. Mus., vi, 1491, 1855.

3207. **punctistriga** WALKER, Cat. Brit. Mus., vi, 1491, 1855; NEUMOEGEN & DYAR, C. 157. — So. Atl. States.
syn. *rubripalpis* FELDER.

TOLYPE Hübner.

HÜBNER, Verz. bek. Schmett., 189, 1822; NEUMOEGEN & DYAR, C. 157.

3208. **velleda** STOLL, Suppl. Cram. Pap. Exot., pl. lii, f. 4, 1791; NEUMOEGEN & DYAR, C. 158. — Atl. States.

3209. **glenwoodi** BARNES, Can. Ent., xxiii, 47, 1900. — Col.

3210. **distincta** FRENCH, Can. Ent., xxii, 45, 1890; NEUMOEGEN & DYAR, C. 158. — Col.

3211. **laricis** FITCH, Second Report Ins. N. Y., 262, 1856; NEUMOEGEN & DYAR, C. 158. — Atl. States.
syn. *minuta* GROTE.

3212. **brevicrista** DYAR, Can. Ent., xxviii, 246, 1895. — N. Mex.

HYPOPACHA Neumoegen & Dyar.

NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 29, 1893.

*3213. **grisea** NEUMOEGEN, Pap., ii, 134, 1882; NEUMOEGEN & DYAR, C. 157. — Ariz.

MALACOSOMA Hübner.

HÜBNER, Verz. bek. Schmett., 192, 1822; KIRBY, Cat. Lep. Het., i, 819, 1892; DYAR, Can. Ent., xxx, 6, 1898.

3214. **americana** FABRICIUS, Syst. Ent., iii, 433, 1793; NEUMOEGEN & DYAR, C. 155. — Atl. States.
syn. *decipiens* WALKER, *frutetorum* BOISDUVAL.

3215. **fragilis** STRETCH, Pap., i, 64, 1881; NEUMOEGEN & DYAR, C. 155. — Rocky Mts. to Cal.
a. **incurva** HY. EDWARDS, Pap., ii, 125, 1882.
syn. *discolorata* NEUMOEGEN.
b. **mus** NEUMOEGEN, Can. Ent., xxv, 4, 1893.
c. **constrictina** NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 30, 1893.
syn. *lutescens* NEUMOEGEN & DYAR.
d. **perlutea** NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 31, 1893.

3216. **pluvialis** DYAR, Can. Ent., xxv, 42, 1893; NEUMOEGEN & DYAR, C. 156. — No. Pac. States.

3217. **ambisimilis** DYAR, Can. Ent., xxv, 40, 1893; NEUMOEGEN & DYAR, C. 156. — Cal.

3218. **californica** PACKARD, Proc. Ent. Soc. Phil., iii, 357, 1864; NEUMOEGEN & DYAR, C. 156. — Cal.
syn. *pseudoneustria* BOISDUVAL.

3219. **constricta** STRETCH, Pap., i, 65, 1881; NEUMOEGEN & DYAR, C. 157. — Cal.
syn. *californica* WALKER (not PACKARD).
a. **strigosa** STRETCH, Pap., i, 67, 1881.

3220. **tigris** DYAR, Proc. Ent. Soc. Wash., v. 38, 1902. Rocky Mts.

3221. **disstria** HÜBNER, Verz. bek. Schmett., 122, 1822; NEUMOEGEN & DYAR, C. 154. U. S.

syn. *drupacearum* BOISDUVAL.

a. **sylvatica** HARRIS, Rep. Ins. Mass., 271, 1841.

b. **thoracicoides** NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 30, 1893.

c. **erosa** STRETCH, Pap., i, 64, 1881.

d. **sylvaticoides** NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 30, 1893.

e. **thoracica** STRETCH, Pap., i, 68, 1881.

f. **perversa** NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., i, 30, 1893.

HETEROPACHA Harvey.

HARVEY, Bull. Buff. Soc. Nat. Sci., i, 262, 1874; NEUMOEGEN & DYAR, C. 153.

3222. **rileyana** HARVEY, Bull. Buff. Soc. Nat. Sci., i, 262, 1874; NEUMOEGEN & DYAR, C. 154. Miss. Vall.

EPICNAPTERA Rambur.

RAMBUR, Cat. Lep. And., 344, 1866; NEUMOEGEN & DYAR, C. 152.

3223. **americana** HARRIS, Rep. Ins. Mass., 273, 1841; NEUMOEGEN & DYAR, C. 153. U. S.

syn. *occidentis* WALKER, *carpinifolia* BOISDUVAL.

a. **ferruginea** PACKARD, Proc. Ent. Soc. Phil., iii, 386, 1864; NEUMOEGEN & DYAR, C. 153.

b. **roseata** STRETCH, Zyg. Bomb. N. A., pl. 4, f. 12, 1872.

syn. *mildei* STRETCH.

c. **californica** PACKARD, Rep. Peab. Acad., iv, 91, 1872.

d. **dyari** RIVERS, Can. Ent., xxv, 144, 1893.

Family BOMBYCIDÆ.

BOMBYX Linnæus.

LINNÆUS, Syst. Nat., i, 499, 1758.

3224. **mori** LINNÆUS, Syst. Nat., i, 499, 1758; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 118, 1894. (Cultivated.)

Family PLATYPTERYGIDÆ.

(C. = NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 61–62, 1894.)

EUDEILINEA Packard.

PACKARD, Rept. Peab. Acad., v, 68, 1873; NEUMOEGEN & DYAR, C. 61.

3225. **herminiata** GUENÉE, Spec. Gén., x, 58, 1857; NEUMOEGEN & DYAR, C. 61. — Atl. States.

a. **biseriata** PACKARD, Fifth Rept. Peab. Acad. Sci., 68, 1873.

ORETA Walker.

WALKER, Cat. Brit. Mus., v, 1116, 1855; NEUMOEGEN & DYAR, C. 61.

3226. **rosea** WALKER, Cat. Brit. Mus., v, 1164, 1855; NEUMOEGEN & DYAR, C. 61. — Atl. States.

syn. *americana* HERRICH-SCHAEFFER, *formula* GROTE.

a. **marginata** WALKER, Cat. Brit. Mus., v, 1165, 1855.

3227. **irrorata** PACKARD, Proc. Ent. Soc. Phil., iii, 377, 1864; NEUMOEGEN & DYAR, C. 61. — Atl. States.

*3228. **adona** STRECKER, Lep. Rhop. Het., suppl. 3, 30, 1900. — Fla.

DREPANA Schrank.

SCHRANK, Fauna Boica, ii, (2), 155, 1802; KIRBY, Cat. Lep. Het., i, 730, 1892.

3229. **arcuata** WALKER, Cat. Brit. Mus., v, 1164, 1855; NEUMOEGEN & DYAR, C. 62. — Atl. States.

syn. *fabula* GROTE.

a. **genicula** GROTE, Proc. Acad. Nat. Sci. Phila., 59, 1862; NEUMOEGEN & DYAR, C. 62.

3230. **siculifer** PACKARD, Rept. Peab. Acad., iv, 87, 1872; NEUMOEGEN & DYAR, C. 62. — No. Pac. States.

FALCARIA Haworth.

HAWORTH, Lep. Brit., ii, 147, 1809; NEUMOEGEN & DYAR, C. 62.

3231. **bilineata** PACKARD, Proc. Ent. Soc. Phil., iii, 376, 1864; NEUMOEGEN & DYAR, C. 62. — Atl. States.

a. **levis** HUDSON, Can. Ent., xxv, 24, 1893.

Family GEOMETRIDÆ.

By George D. Hulst.

(C.=Packard, Mon. Geom., Rept. U. S. Geol. Surv. Terr., Hayden, x, 1876.)

Subfamily DYSPTERIDINÆ.

DYSPTERIS Hübner.

Hübner, Verz. bek. Schmett., 286, 1818; Herrich-Schaeffer, Auss. Schmett., i, 27, 1854; Guenée, Spec. Gén., ix, 361, 1857; Packard, C. 368; Hulst, Trans. Am. Ent. Soc., xxiii, 250, 1896.

3232. **abortivaria** Herrich - Schaeffer. Auss. Schmett., f. 346, 1855; Packard, C. 368; French, Trans. Dept. Agr. Ill., xv, 238, 1877. — Atl. States.

CYSTEOPTERYX Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 250, 1896.

*3233. **viridata** Packard, Fifth Rept. Peab. Acad. Sci., 56, 1873; C. 182. — Atl. States.

NYCTOBIA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 251, 1896.

3234. **limitata** Walker, Cat. Brit. Mus., xxi, 487, 1860; Packard, C. 457; Hulst, Ent. News, vi, 43, 1895. — Atl. States.

syn. *lobophorata* Walker, Cat. Brit. Mus., xxv, 1347, 1862; *vernata* Packard, Fifth Rept. Peab. Acad. Sci., 57, 1873; C. 183; Grote, Can. Ent., ix, 27, 1877.

3235. **fusifasciata** Walker, Cat. Brit. Mus., xxv, 1258, 1862; Hulst, Ent. News, vi, 43, 1895. — Atl. States.

syn. *longipennis* Walker, Cat. Brit. Mus., xxxv, 1671, 1866; Grote & Robinson, Trans. Am. Ent. Soc., ii, 82, 1868; *anguilineata*. Grote, Ann. Lyc. Nat. Hist. N. Y., viii, pl. 15A, f. 16, 1867; Packard, C. 184.

*3236. **nigroangulata** Strecker, Lep. Rhop. Het., suppl. 2, 10, 1899. — Pac. States.

CLADORA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 251, 1896.

3237. **atroliturata** Walker, Cat. Brit. Mus., xxv, 1710, 1862; Grote & Robinson, Tr. Am. Ent. Soc., ii, 83, 1868; Hulst, Ent. News, vi, 43, 1895. — Atl. States.

syn. *geminata* Grote & Robinson, Proc. Ent. Soc. Phil., vi, 29, 1866; Packard, C. 184.

OPHEROPTERA Hübner.

Hübner, Verz. bek. Schmett., 321, 1818; Packard, C. 197; Hulst, Trans. Am. Ent. Soc., xxiii, 151, 1896; *Cheimatobia* Stephens, Nom. Brit. Ins., 44, 1829; Westwood & Humphreys, Brit. Moths, ii, 57, 1849.

3238. **boreata** Hübner, Schm. Eur., f. 414, 1820; Packard, C. 198; Dimmock, Psyche, iv, 243, 1885; Hulst, Tr. Am. Ent. Soc., xxiii, 252, 1896; Hofmann, Gross. Sch. Eur., 199, 1894; Kirby, Eur. Butt., 388, 1882. — Arctic No. Am., Eur.

PARAPTERA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 252, 1896.

*3239. **danbyi** Hulst, Trans. Am. Ent. Soc., xxiii, 252, 1896. — No. Pac. States.

RACHELA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 253, 1896.

3240. **bruceata** Hulst, Ent. Amer., ii, 123, 1886. — No. Atl. States.

3241. **hyperborea** Hulst, Trans. Am. Ent. Soc. xxiii, 254, 1896. — Alaska.

3242. **occidentalis** Hulst, Trans. Am. Ent. Soc., xxiii, 254, 1896. — No. Pac. States.

*3243. **latipennis** Hulst, Trans. Am. Ent. Soc., xxiii, 254, 1896. — Cal.

Subfamily HYDRIOMENINÆ.

PALEACRITA Riley.

Riley, Trans. Acad. Sci. St. Louis, iii, 273, 1875; Hulst, Trans. Am. Ent. Soc., xxiii, 257, 1896.

*3244. **longiciliata** Hulst, Can. Ent., xxx, 113, 1898. — Cal.

3245. **vernata** Peck, Mass. Mag., 323, 415, 1795; Packard, C. 402; Riley, Rep. Ins. Mo., i, 109; ii, 94; vi, 28; vii, 80, viii, 13, 1874; Saunders, Ins. Inj. Fr., 61, 1883; Packard, Bull. U. S. Ent. Comm., vii, 61, 1882; Riley, Rept. U. S. Ent. Comm., iii, 157, 170, 1882; French, Ill. Rept., vii, 110, 239, 1877; Hulst, Ent. Amer., iv, 51, 1888. — Atl. States, Col., Cal.

syn. *sericeiferata* Walker, Cat. Brit. Mus., xxv, 1697, 1862; Packard, C. 454; Hulst, Ent. News, vi, 42, 1895; *autumnata* Packard, C. 400.

a. **merriccata** Dyar (dark gray, the discal dot large, white, dark edged; other markings broken and reduced).

*3246. **speciosa** Hulst, Can. Ent., xxx, 113, 1898. — Col.

ALSOPHILA Hübner.

Hübner, Verz. bek. Schmett., 320, 1818; Stephens, Cat. Brit. Lep., 160, 1850; Hulst, Trans. Am. Ent. Soc., xxiii. 257, 1896; *Anisopteryx*, Stephens, Cat. 116, 1829; Packard, C. 399; Kirby, Eur. Butt., 356, 1881; Hofmann, Gr. Schm. Eur., 146, 1894.

3247. **pometaria** Harris, Inj. Ins. Mass., 333, 1841; Riley, Rept. Ins. Mo., ii, 97; vi, 29; vii, 80; viii, 13, 1874; Packard, Guide Stud. Ins., 324, 1869; C. 402; Mann, Can. Ent., viii, 164, 1876; Jaeger, N. A. Ins., 175, 1871; Saunders, Ins. Inj. Fr., 65, 1883; Riley, Rept. U. S. Ent. Comm., iii, 150, 1882; French, Ill. Rept., vii, 238, 1877; Hulst, Ent. Amer., iv, 56, 1888; Ent. News, vi, 42, 1895; Hinds, Can. Ent., xxxiii, 185, 1901; Dyar, Pysche, ix, 262, 1901. — Atl. States, Col.

syn. *restituens* Walker, Cat. Brit. Mus., xxv, 1697, 1862.

EUDULE Hübner.

Hübner, Zutr. exot. Schmett., ii, 14, 1825; Neumoegen & Dyar, Jn. N. Y. Ent. Soc., i, 118, 1893; Hulst, Trans. Am. Ent. Soc., xxiii, 157, 1896; *Ameria* Walker, Cat. Brit. Mus., ii, 554, 1854; *Euphanessa* Packard, Proc. Ent. Soc. Phil., iii, 102 1864.

3248. **mendica** Walker, Cat. Brit. Mus., ii, 576, 1854; Packard, Proc. Ent. Soc. Phil., iii, 102, 1864; C. 33; Saunders, Can. Ent., iii, 227, 1871; Clemens, Proc. Ent. Soc. Phil., i, 543, 1860; Riley, Rept. Ins. Mo., ix, 6, 1877; Ent. Amer., i, 170, 1885; Smith, Ent. Amer., i, 179, 1885; Butler, Trans. Ent. Soc. Lond., 371, 1877; Hulst, Ent. Amer., i, 167, 1885, ii, 221, 1887; Stretch, Zyg. Bomb. N. A., 53, 1872; Lucock, Can. Ent., xxx, 248, 1898; Dyar, Psyche, ix, 189, 1901. — Atl. States.

syn. *biseriata* Herrich-Schaeffer, Auss. Schm., f. 441, 1858.

3249. **meridiana** Slosson, Ent. Amer., v, 7, 1889. — So. Atl. States.

*3250. **hyalina** Hulst, Can. Ent., xxx, 114, 1898. — Ariz.

3251. **unicolor** Robinson, Ann. N. Y. Lyc. Nat. Hist., ix, 153, 1869; Neumoegen & Dyar, Jn. N. Y. Ent. Soc., i, 118, 1893. — Tex., Col., Ariz.

EUCESTIA Hübner.

Hübner, Verz. bek. Schmett., 322, 1818; Meyrick, Trans. Ent. Soc. Lond., 69, 1892; Hulst, Trans. Am. Ent. Soc., xxiii, 259, 1896; *Lithostege* Hübner, Verz. bek. Schmett., 337, 1818; *Aplocera* Stephens, Cat. 141, 1829; *Anaitis* Duponchel, Hist. Nat., viii, 350, 1829; *Chesias* Duponchel, Hist. Nat., viii, 497, 1829; Hofmann, Gr. Schm. Eur., 197, 1894.

*3252. **rotundata** Packard, Sixth Rept. Peab. Acad. Sci., 39, 1874; C. 196. — Cal., Ariz.

a. **arizonata** Grote, Can. Ent., xv, 126, 1883.

PHILOPSIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 259, 1896.

3253. **nivigerata** WALKER, Cat. Brit. Mus., xxiv, 1259, 1862; PACKARD, C. 185; HULST, Ent. News, vi, 43, 1895. — U. S.

syn. *inæqualiata* PACKARD, C. 180.

AGIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 159, 1896.

*3254. **eborata** HULST, Trans. Am. Ent. Soc., xxiii, 260, 1896. — Atl. States.

TALLEDEGA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 260, 1896.

3255. **montanata** PACKARD, Sixth Rept. Peab. Acad. Sci., 40, 1874; C. 181. — No. U. S.

syn. *noeticolata* HULST, Bull. Brook. Ent. Soc., iv, 26, 1881.

3256. **tabulata** HULST, Trans. Am. Ent. Soc., xxiii, 26, 1896. — N.-W. U. S.

SCELIDACANTHA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 261, 1896.

3257. **triseriata** PACKARD, Sixth Rept. Peab. Acad. Sci., 39, 1874; C. 195. — Col.

3258. **virginata** GRAEF, Bull. Brook. Ent. Soc., iii, 96, 1880. — Col., Ariz., Cal.

CARSIA Hübner.

HÜBNER, Verz. bek. Schmett., 336, 1818; GUENÉE, Spec. Gén., ix, 493, 1857; MEYRICK, Trans. Ent. Soc. Lond., 69, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 261, 1896; *Larissa* CURTIS, Brit. Ent., vii, 324, 1830; *Velma* STEPHENS, Ill. Brit. Ent., Haust., iii, 242, 1831.

3259. **paludata** THUNBERG, Mus. Acad. Nat., 76, 1788; PACKARD, C. 186; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 301, 1884; HOFMANN, Gr. Schm. Eur., 197, 1894. — Arctic Am., Eur.

syn. *sororiata* HÜBNER, *sororaria* HERRICH-SCHAEFFER, *primaria* EVERSMANN, Bull. Mosc., ii, 639, 1851; *boreata* PACKARD, *alpinata* PACKARD.

a. **imbutata** HÜBNER, Schm. Eur., pl. 68, f. 405, 1796; PACKARD, C. 186; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 43, 1849.

NANNIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 262, 1896.

3260. **refusata** WALKER, Cat. Brit. Mus., xxiii, 891, 1861; HULST, Ent. News, vi, 43, 1895. — No. Atl. States.
syn. *harveiata* PACKARD, C. 193.

*3261. **morensata** HULST, Trans. Am. Ent. Soc., xxiii, 262, 1896. — Miss. Vall.

HETEROPHLEPS Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ausser. Schmett., 62, 1854; PACKARD, C. 192.

3262. **triguttaria** HERRICH - SCHAEFFER, Ausser. Schmett., f. 202, 1854; PACKARD, C. 193. — U. S.
syn. *quadrinotata* WALKER, Cat. Brit. Mus., xxvi, 1759, 1862; HULST, Ent. News, vi, 105, 1895; SCHAUS, Proc. Zool. Soc. Lond., 647, 1896; *hexaspilata* WALKER, Cat. Brit. Mus., xxxv, 1653, 1866; HULST, Ent. News, vi, 42, 1895.

CHLOROCLYSTIS Hübner.

HÜBNER, Verz. bek. Schmett., 323, 1818; MEYRICK, Trans. Ent. Soc. Lond., 65, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 263, 1896.

*3263. **inconspicua** HULST, Trans. Am. Ent. Soc., xxiii, 264, 1896. — Cal.

GYMNOCELIS Mabille.

MABILLE, Ann. Soc. Ent. Fr., 77, 1869; MEYRICK, Trans. Ent. Soc. Lond., 65, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 264, 1896.

*3264. **inferior** HULST, Trans. Am. Ent. Soc., xxiii, 264, 1896. — Cal.

*3265. **gypsata** GROTE, Can. Ent., xiv, 188, 1882. — Ariz.

3266. **desperata** HULST, Trans. Am. Ent. Soc., xxiii, 264, 1896. — Tex.

3267. **minuta** HULST, Trans. Am. Ent. Soc., xxiii, 265, 1896. — So. Cal.

TEPHROCLYSTIS Hübner.

HÜBNER, Verz. bek. Schmett., 323, 1818; MEYRICK, Trans. Ent. Soc. Lond., 65, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 265, 1896; *Dyscymatoge* HÜBNER, *Tarachia* HÜBNER, *Arcyonia* HÜBNER, *Leucocora* HÜBNER, *Eupithecia* CURTIS, Brit. Ent., ii, 64, 1825; PACKARD, C. 47; v. GUMPPENBERG, Nov. Act. Halle, lii, 153, 1888; MEYRICK, Trans. Ent. Soc. Lond., 192, 1892; *Nycterosea* HULST, Trans. Am. Ent. Soc., xxiii, 263, 1896.

*3268. **misturata** HULST, Trans. Am. Ent. Soc., xxiii, 266, 1896. — U. S.

3269. **nebulosa** HULST, Trans. Am. Ent. Soc., xxiii, 266, 1896. — Atl. States.

*3270. **scriptaria** HERRICH-SCHAEFFER, Schm. Eur., iii, 121, 1847; GUENÉE, Spec. Gén., ix, 312, 1857; MÖSCHLER, Stett. ent. Zeit., 122, 1883; v. GUMPPENBERG, Nov. Act. Halle, lii, 180, 1888; HOFMANN, Gross. Schm. Eur., 215, 1894. — Lab.

3271. **implicata** WALKER, Cat. Brit. Mus., xxiv, 1241, 1862; PACKARD, C. 64; HULST, Ent. Amer., iii, 114, 1887; Ent. News, vi, 70, 1895. — N.-E., U. S.

3272. **luteata** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 46, 1867; C. 57; v. GUMPPENBERG, Nov. Act. Halle, lii, 252, 1888. — No. Atl. States.

syn. *palpata* PACKARD, Fifth Report Peab. Acad. Sci., 58, 1873; C. 57.

*3273. **hyperboreata** STAUDINGER, Stett. ent. Zeit., 400, 1861; v. GUMPPENBERG, Nov. Act. Halle, lii, 187, 1888. — Greenl.

*3274. **edna** HULST, Trans. Am. Ent. Soc., xxiii, 266, 1896. — Col.

*3275. **subcolorata** HULST, Can. Ent., xxx, 114, 1898. — Ariz.

3276. **ornata** HULST, Trans. Am. Ent. Soc., xxiii, 267, 1896. — Rocky Mts., No. Cal.

3277. **miserulata** GROTE, Proc. Ent. Soc. Phil., ii, 32, 1863; PACKARD, C. 52; Bull. U. S. Ent. Comm., vii, 248, 1881; COQUILLETT, Pap., i, 56, 1881; RILEY, Ins. Life, iii, 345, 1891; HULST, Ent. News, vi, 70, 1895; v. GUMPPENBERG, Nov. Act. Halle, lii, 173, 1888. — Atl. States.

a. **californiata** v. GUMPPENBERG, Nov. Act. Halle, lii, 174, 1888. — Cal.

*3278. **interruptofasciata** PACKARD, Fifth Rept. Peab. Acad. Sci., 59, 1873; C. 52; COQUILLETT, Ill. Rept., xi, 23, 1881; Pap., i, 56, 1881; SAUNDERS, Ins. Inj. Fr., 352, 1885; v. GUMPPENBERG, Nov. Act. Halle, lii, 174, 1888. — Atl. States.

*3279. **leucata** HULST, Trans. Am. Ent. Soc., xxiii, 267, 1896. — Rocky Mts.

3280. **niveifascia** HULST, Can. Ent., xxx, 115, 1898. — N. Mex., Oreg.

*3281. **inornata** HULST, Trans. Am. Ent. Soc., xxiii, 276, 1896. — Atl. States.

*3282. **albicapitata** PACKARD, C. 48; v. GUMPPENBERG, Nov. Act. Halle, lii, 254, 1888. — Can., Col.

*3283. **insolabilis** HULST, Jn. N. Y. Ent. Soc., viii, 215, 1901. — Ariz.

3284. **rotundopuncta** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 395, 1871; v. GUMPPENBERG, Nov. Act. Halle, lii, 245, 1888. — N. Mex., Cal.

syn. *rotundopunctata* PACKARD, C. 55.

*3285. **annulata** HULST, Trans. Am. Ent. Soc., xxiii, 267, 1896. — Cal.

*3286. **borealis** HULST, Can. Ent., xxx, 114, 1898. — Manitoba.

*3287. **latipennis** HULST, Can. Ent., xxx, 114, 1898. — Can.

3288. **plumbaria** HULST, Can. Ent., xxxii, 112, 1900. — Atl. States.

*3289. **flavigutta** HULST, Trans. Am. Ent. Soc., xxiii, 268, 1896. — Col.

*3290. **coloradensis** HULST, Trans. Am. Ent. Soc., xxiii, 268, 1896. — Col.

*3291. **sierræ** HULST, Trans. Am. Ent. Soc., xxiii, 268, 1896. — Col.

*3292. **cretata** HULST, Trans. Am. Ent. Soc., xxiii, 269, 1896. — Cal.

*3293. **brunneipennis** HULST, Trans. Am. Ent. Soc., xxiii, 263, 1896. — Cal.

3294. **absinthiata** CLERCK, Icones, vi, 9, 1759; LINNÆUS, Faun. Suec., 339, 1761; HÜBNER, Schmett. Eur., 453, 1820; v. GUMPPENBERG, Nov. Act. Halle, lii, 246, 1888; HOFMANN, Gr. Schm. Eur., 218, 1894. — U. S., Eur.

syn. *minutata* TREITSCHKE, Schm. Eur., vi, (2), 105, 1828; *notata* STEPHENS, Ill., iii, 286, 1831; *elongata* HAWORTH, Brit. Ent., 358, 1829; *absynthiata* GUENÉE, Spec. Gén., ix, 340, 1857; CREWE, Ent. Ann., 140, 1861; SNELLEN, Tidj. v. Ent., 137, 1866; PACKARD, C. 49; GOODELL, Can. Ent., ix, 62, 1877; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 319, 1884; *coagulata* GUENÉE, *geminata* PACKARD.

3295. **fumosa** HULST, Trans. Am. Ent. Soc., xxiii, 269, 1896. — Atl. States.

3296. **longipalpata** PACKARD, Geom. Moths., C. 56, 1876. — Pac. States.

*3297. **mæstosa** HULST, Trans. Am. Ent. Soc., xxiii, 269, 1896.	Col.
*3297. 1. **lachrymosa** HULST, Can. Ent., xxxii, 103, 1900.	Oreg.
*3298. **nimbicolor** HULST, Trans. Am. Ent. Soc., xxiii, 269, 1896.	No. Rocky Mts., Cal.
3299. **perfusca** HULST, Can. Ent., xxx, 116, 1898.	Utah, Wash.
3300. **zygænidata** PACKARD, C. 51; v. GUMPPENBERG, Nov. Act. Halle, lii, 249, 1888.	Atl. States, Col.
3301. **plenoscripta** HULST, Can. Ent., xxxii, 103, 1900.	Wyo.
3302. **nimbosa** HULST, Trans. Am. Ent. Soc., xxiii, 269, 1896.	Cal., Ariz.
*3302. 1. **bolteri** HULST, Can. Ent., xxxii, 102, 1900.	Tex.
*3303. **longidens** HULST, Trans. Am. Ent. Soc., xxiii, 270, 1896.	Col.
*3303. 1. **tenebrescens** HULST, Can. Ent., xxxii, 103, 1900.	Tex.
*3304. **multistrigata** HULST, Trans. Am. Ent. Soc., xxiii, 270, 1896.	Col., Utah.
*3305. **multiscripta** HULST, Trans. Am. Ent. Soc., xxiii, 270, 1896.	Col.
*3306. **laisata** STRECKER, Lep. Rhop. Het., suppl. 2, 11, 1899.	Cal.
*3307. **stellata** HULST, Trans. Am. Ent. Soc., xxiii, 270, 1896.	Col.
3308. **flebilis** HULST, Proc. Wash. Acad. Sci., ii, 497, 1900.	Alaska.
*3309. **obscurior** HULST, Trans. Am. Ent. Soc., xxiii, 271, 1896.	Cal.
3310. **bivittata** HULST, Trans. Am. Ent. Soc., xxiii, 271, 1896.	Cal.
*3311. **golgata** STRECKER, Lep. Rhop. Het., suppl. 2, 11, 1899.	Nev.
3312. **behrensata** PACKARD, C. 59; HULST, Ent. Amer., iv, 49, 1886.	Cal.
*3313. **unicolor** HULST, Trans. Am. Ent. Soc., xxiii, 271, 1896.	Col., Cal.
3314. **subapicata** GUENÉE, Spec. Gén., ix, 331, 1857; PACKARD, C. 62; GROTE, Can. Ent., xv, 27, 1883; v. GUMPPENBERG, Nov. Act. Halle, lii, 240, 1888. syn. *occidentalis* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 404, 1871.	Cal.

3315. **acutipennis** HULST, Can. Ent., xxx, 115, 1898. — Cal.

3316. **cestata** HULST, Trans. Am. Ent. Soc., xxiii, 271, 1896. — Cal.

*3317. **nevadata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 395, 1871; C. 61; v. GUMPPENBERG, Nov. Act. Halle, lii, 229, 1888. — Pac. States.

*3318. **implorata** HULST, Trans. Am. Ent. Soc., xxiii, 272, 1896. — Cal.

3319. **raveocostaliata** PACKARD, C. 60; v. GUMPPENBERG, Nov. Act. Halle, lii, 217, 1888. — Pac. States.

CYSTEOPHORA Hulst.

HULST, Jn. N. Y. Ent. Soc., viii, 215, 1901.

3320. **pervertipennis** HULST, Jn. N. Y. Ent. Soc., viii, 215, 1901; DYAR, Proc. Ent. Soc. Wash., iv, 457, 1901. — Fla.

EUCYMATOGE Hübner

HÜBNER, Verz. bek. Schmett., 325, 1818; MEYRICK, Trans. Ent. Soc. Lond., 67, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 272, 1896; *Hypepiviritis* HÜBNER, *Orthonama* HÜBNER, *Horisma* HÜBNER, Verz. bek. Schmett., 329, 331, 1818; *Phibalapteryx* STEPHENS, Cat., 138, 1829; PACKARD, C. 168; *Collix* GUENÉE, Spec. Gén., x, 357, 1857; KIRBY, Eur. Butt., 368, 1882.

3321. **tenuata** HULST, Bull. Brook. Ent. Soc., iii, 45, 1880. — Col.

*3322. **gelidata** MÖSCHLER, Wien ent. Monats., iv, 47, 1860; Stett. ent. Zeit., 122, 1883; PACKARD, C. 64; STAUDINGER, Cat. Lep. Eur., 195, 1871; v. GUMPPENBERG, Nov. Act. Halle, lii, 201, 1888. — Labr.

3323. **anticaria** WALKER, Cat. Brit. Mus., xxv, 1241, 1862; PACKARD, C. 64; HULST, Ent. News, vi, 70, 1895. — Atl. States.

syn. *explanata* WALKER, Cat. Brit. Mus., xxv, 1242, 1862; PACKARD, C. 64; HULST, Ent. News, vi, 70, 1895; *strattonata* PACKARD, Fifth Rept. Peab. Acad. Sci., 60, 1883; C. 58; v. GUMPPENBERG, Nov. Act. Halle, lii, 230, 1888.

*3324. **graefii** HULST, Trans. Am. Ent. Soc., xxiii, 273, 1896. — Wash.

3325. **grandis** HULST, Trans. Am. Ent. Soc., xxxii, 273, 1896. — Wash., Oreg.

*3326. **gille tei** HULST, Can. Ent., xxx, 116, 1898. Col.

3327. **intestinata** GUENÉE, Spec. Gén., ix, 432, 1857; PACKARD, C. 170; HULST, Ent. News, vi, 43, 1895; v. GUMPPENBERG, Nov. Act. Halle, lii, 153, 1888. U. S.

syn. *impleta* WALKER, Cat. Brit. Mus., xxxv, 1683, 1866; *indoctrinata* WALKER, Cat. Brit. Mus., xxvi, 1722, 1862.

*3328. **vitalbata** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 109, 1776; HÜBNER, Schmett. Eur., 269, 1820; TREITSCHKE, Eur. Schmett., vi, (2), 66, 1828; DUPONCHEL, Hist. Nat., viii, 197, 1838; GUENÉE, Spec. Gén., ix, 437, 1857; WALKER, Cat. Brit. Mus., xxv, 1337, 1862; HULST, Trans. Am. Ent. Soc., xxiii, 272, 1896; v. GUMPPENBERG, Nov. Act. Halle, lii, 145, 1888; HOFMANN, Gr. Schmett. Eur., 210, 1894. Can., Eur.

VENUSIA Curtis.

CURTIS, Brit. Ent., 759, 1839; MEYRICK, Trans. Ent. Soc. Lond., 75, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 273, 1896.

3329. **cambrica** CURTIS, Brit. Ins., xvi, 1839; WOOD, Ind. Ent., suppl., 1724, 1839; LEDERER, Verh. zool.-bot. Ges. Wien, xix, 101, 1853; HULST, Ent. News, vi, 70, 1895; HOFMANN, Gr. Schm. Eur., 204, 1894. U. S., Eur.

syn. *cambricaria* GUENÉE, Spec. Gén., ix, 440, 1857; PACKARD, C. 85; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 303, 1884; *erutaria* DUPONCHEL, Hist. Nat., suppl., 4, 1842; BOISDUVAL, Ind. Méth., 203, 1840; HERRICH-SCHAEFFER, Schm. Eur., 258, 1856; *nebulosaria* FREYER, Beit. Ges. Eur. Schm., 546, 1831; *scitularia* WALKER, Cat. Brit. Mus., xxi, 406, 1860; HULST, Ent. Amer., iii, 114, 1887.

3330. **duodecemlineata** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 19, 1874; C. 84; BUTLER, Pap., i, 222, 1881. U. S.

3331. **comptaria** WALKER, Cat. Brit. Mus., xxi, 406, 1860; HULST, Ent. News, vi, 70, 1895. Atl. States.

syn. *condensata* WALKER, Cat. Brit. Mus., xxv, 1273, 1862; PACKARD, C. 166; *inclinataria* WALKER, Cat. Brit. Mus., xxvi, 1727, 1862; *inclinata* HULST, Sm. List Lep. Bor. Am., no. 3929, 1891; *perlineata* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 19, 1874; C. 83.

EUCHŒCA Hübner.

Hübner, Verz. bek. Schmett., 298, 1818; Meyrick, Trans. Ent. Soc. Lond., 74, 1892; Hulst, Trans. Am. Ent. Soc., xxiii, 274, 1896; Meyrick, Proc. Linnæan Soc. N. S. Wales, ii, 811, 1887; *Hydrelia* Hübner, Verz. bek. Sch., 322, 1818; Kirby, Eur. Butt., 389, 1882; *Trichodezia* Warren, Nov. Zool., ii, 119, 1895.

3332. **albovittata** Guenée, Spec. Gén., ix, 520, 1857; Packard, C. 189; Hulst, Ent. News, vi, 42, 1895. — Atl. States to Alaska.

syn. *propriaria* Walker, Cat. Brit. Mus., xxv, 1293, 1862; *reciprocata* Walker, Cat. Brit. Mus., xxv, 1294, 1862.

a. **albofasciata** Grote, Proc. Ent. Soc. Phil., ii, 66, 1863; Trans. Kans. Acad. Sci., viii, 51, 1878; Can. Ent., viii, 28, 1876; Packard, C. 166.

3333. **californiata** Packard, Proc. Bost. Soc. Nat. Hist., xiii, 404, 1871; C. 189. — Pac. States.

3334. **cretaceata** Packard, Sixth Rept. Peab. Acad. Sci., 40, 1874; Proc. Bost. Soc. Nat. Hist., xvi, pl. 1, f. 3, 1874; C. 63; Butler, Pap., i, 223, 1881; v. Gumppenberg, Nov. Act. Halle, lii, 249, 1888. — U. S.

3335. **lucata** Guenée, Spec. Gén., ix, 437, 1857; Packard, C. 326. — Ill., Man.

*3336. **albifera** Walker, Cat. Brit. Mus., xxxv, 1625, 1866; Hulst, Ent. News, vi, 105, 1895. — Atl. States.

syn. *albogilvaria* Morrison, Proc. Bost. Soc. Nat. Hist., xvi, 194, 1874; Packard, C. 325; *triseriata* Packard, Sixth Rept. Peab. Acad. Sci., 50, 1874; C. 325.

a. **brunneifasciata** Packard, C. 324, 1876.

EPIRRITA Hübner.

Hübner, Tent., 1810; Packard, C. 82; Hulst, Trans. Am. Ent. Soc., xxiii, 274, 1896; *Asthena* Hübner, Verz. bek. Schmett., 310, 1818; Packard, C. 324; Meyrick, Trans. Ent. Soc. Lond., 74, 1892; Hulst, Trans. Am. Ent. Soc., xxiii, 274, 1896; *Oporina* Hübner, Verz. bek. Schmett., 321, 1818; *Mimoa* Treitschke, Schm. Eur., vi, (2), 248, 1827; Staudinger, Cat. Lep. Eur., 178, 1871; v. Gumppenberg, Nov. Act. Halle, xlix, 365, 1887; *Oporabia* Stephens, Ills., iii, 273, 1831; Guenée, Spec. Gén., ix, 261, 1857.

3337. **dilutata** Denis & Schiffermüller, Syst. Verz. Wien, 109, 1776; Packard, C. 87; Fitch, Fifth Rept. Ins. N. Y., 842, 1858; Bruce, Pap., ii, 82, 1882; Hofmann, Gr. Sch. Eur., 205, 1894. — Atl. States, Col., Eur.

syn. *dilutaria* Freyer, *impluviata* Borkhausen, Eur. Schmett., v, 291, 1794; *inscriptata* Donovan, Nat. Hist., xv, pl., 517, 1816; *fimbriata* Haworth, Lep. Brit., 320, 1829.

a. **autumnata** Guenée, Spec. Gén., x, 264, 1857.

CORYPHISTA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 275, 1896.

*3338. **meadii** Packard, Sixth Rept. Peab. Acad. Sci., 41, 1874; Rept. Geol. Surv. Terr., v, 551, 1875. syn. *meadiata* Packard, C. 176. — Pac. States, New Mex.

3339. **badiaria** Hy. Edwards, Ent. Amer., i, 50, 1885; v. Gumppenberg, Nov. Act. Halle, lii, 136, 1888. — Pac. States, Col.

HYDRIA Hübner.

Hübner, Tent., 1810; Packard, C. 171; *Calocalpe* Hübner, Verz. bek. Schmett., 330, 1818; Meyrick, Trans. Ent. Soc. Lond., 70, 1892; Hulst, Trans. Am. Ent. Soc., xxiii, 275, 1896; *Eucosmia* Stephens, Ills., iii, 265, 1831; Staudinger, Cat. Lep. Eur., 78, 1871; v. Gumppenberg, Nov. Act. Halle, lii, 139, 1888.

3340. **undulata** Linnæus, Syst. Nat., 524, 1758; Fitch, Fourteenth Rept. Ins. N. Y., 355, 1870; Packard, C. 172; Möschler, Verh. zool.-bot. Ges. Wien, 301, 1884; Hulst, Ent. Amer., ii, 162, 1886; v. Gumppenberg, Nov. Act. Halle, lii, 140, 1888; Hofmann, Gr. Sch. Eur., 200, 1894; Dyar, Psyche, ix, 9, 1900. — U. S., Eur.

CATOCLOTHIS Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 275, 1896; *Cyclica* Grote (not Latreille), Can. Ent., xiv, 174, 1882; Hulst, Trans. Am. Ent. Soc., xxiii, 275, 1896.

*3341. **frondaria** Grote, Can. Ent., xiv, 174, 1882; xv, 27, 1883. — Ariz.

PHILEREME Hübner.

Hübner, Verz. bek. Schmett., 330, 1818; Packard, C. 174; Meyrick, Trans. Ent. Soc. Lond., 70, 1892; Hulst, Trans. Am. Ent. Soc., xxiii, 276, 1896; *Scotosia* Stephens, Brit. Ins., 44, 1829; Lederer, Verh. zool.-bot. Ges. Wien, 252, 1853; v. Gumppenberg, Nov. Act. Halle, lii, 137, 1888; Hofmann, Gr. Sch. Eur., 200, 1894.

3342. **californiata** Packard, Proc. Bost. Soc. Nat. Hist., xiii, 399, 1871; C. 175. — Cal.

*3343. **multivagata** Hulst, Bull. Brook. Ent. Soc., iv, 26, 1881. — Ont., Col., B. C.

*3344. **nigrescens** Hulst, Can. Ent., xxxii, 104, 1900. — Oreg.

*3345. **formosa** Hulst, Trans. Am. Ent. Soc., xxiii, 276, 1896. — Col., Man.

*3346. **optimata** Strecker, Lep. Rhop. Het., suppl. 2, 11, 1899. — Wash.

PHYLACE Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 277, 1896.

3347. **luteolata** HULST, Trans. Am. Ent. Soc., xxiii, 277, 1896. — Rocky Mts.

EUSTROMA Hübner.

HÜBNER, Verz. bek. Schmett., 335, 1818; MEYRICK, Trans. Ent. Soc. Lond., 71, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 277, 1896; *Euphia* HÜBNER, Verz. bek. Schmett., 336, 1818; *Electra* STEPHENS, Cat. 135, 1829; *Steganolophia* STEPHENS, Cat. 135, 1829; WESTWOOD & HUMPHREYS, Brit. Ins., ii, 39, 1849.

3348. **diversilineata** HÜBNER, Samml. exot. Schm., i, 1, 2, 3, 4, 1806; PACKARD, C. 128; FRENCH, Trans. Dep. Agr. Ill., xv, 237, 1877; BRUCE, Ent. Amer., iii, 50, 1887; SAUNDERS, Can. Ent., ii, 74, 1870. — Atl. States.

a. **gracilineata** GUENÉE, Spec. Gén., x, 476, 1857.

3349. **testata** LINNÆUS, Faun. Suec., 1262, 1761; PACKARD, C. 122; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 302, 1884. — Atl. States, Eur.

syn. *achatinata* HÜBNER, Schm. Eur., 301, 1796; PACKARD, C. 122.

3350. **populata** LINNÆUS, Syst. Nat., 525, 1758; PACKARD, C. 124; MÖSCHLER, Wien. ent. Mon., iv, 375, 1860; Stett. ent. Zeit., 120, 1883; Verh. zool.-bot. Ges. Wien, 302, 1884; HOFMANN, Gr. Schm. Eur., 201, 1894; HULST, Ent. News, vi, 43, 1895. — No. U. S., Eur.

syn. *dotata* CLERCK, *propulsata* WALKER, *molliculata* WALKER; PACKARD, C. 132; *packardata* LINTNER, Ent. Cont., iv, 113, 1878.

a. **remotata** WALKER, Cat. Brit. Mus., xxv, 1388, 1862; PACKARD, C. 132.

b. **similis** WALKER, Cat. Brit. Mus., xxv, 1425, 1862.

c. **cervinifascia** WALKER, Cat. Brit. Mus., xxv, 1184, 1862; PACKARD, C. 131.

*3351. **destinata** MÖSCHLER, Wien. ent. Mon., iv, 46, 1860; Stett. ent. Zeit., 120, 1883; PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 48, 1867. — No. U. S.

a. **lugubrata** MÖSCHLER, Wien. ent. Mon., 136, 1862; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3295 a, 1901.

3352. **prunata** LINNÆUS, Syst. Nat., 526, 1758; PACKARD, C. 116; HOFMANN, Gr. Schm. Eur., 200, 1894. — No. U. S., Eur.

syn. *ribesiaria* BOISDUVAL, *triangulatum* PACKARD, *montanatum* PACKARD.

3353. **nubilata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 400, 1871. — Pac. States.

syn. *semiatratum* HULST, Bull. Brook. Ent. Soc., iv, 26, 1881.

3354. **atrocolorata** GROTE, Ann. N. Y. Lyc. Nat. Hist., viii, 31, 1867; PACKARD, C. 121. — Atl. States.

3355. **explanata** WALKER, Cat. Brit. Mus., xxv, 1422, 1862; HULST, Ent. News, vi, 44, 1895. — Atl. States, Col.

3356. **cunigerata** WALKER, Cat. Brit. Mus., xxvi, 1726, 1862; PACKARD, C. 114; HULST, Ent. News, vi, 44, 1895. — Atl. States.

syn. *disjunctaria* PACKARD.

NEOLEXIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 278, 1896.

3357. **xylina** HULST, Trans. Am. Ent. Soc., xxiii, 278, 1896. — No. U. S.

*3358. **speciosa** HULST, Trans. Am. Ent. Soc., xxiii, 279, 1896. — Alberta, Can.

RHEUMAPTERA Hübner.

HÜBNER, Tent., 1810; PACKARD, C. 150; *Cosmorhoe* HÜBNER, *Plemyria*, HÜBNER; MEYRICK, Trans. Ent. Soc. Lond., 71, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 279, 1896; *Epirrhoe* HÜBNER, *Eulypa* HÜBNER, *Melanippe* DUPONCHEL.

3359. **hastata** LINNÆUS, Syst. Nat., 527, 1758; PACKARD, C. 164; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 306, 1884; STRECKER, Surv. Dept. Mo., Ruffner, app., 1861, 1878; DIMMOCK, Psyche, iv, 243, 1885; HULST, Ent. News, vi, 73, 1895. — No. U. S., Eur.

a. **gothicata** GUENÉE, Spec. Gén., x, 388, 1857; PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 46, 1867.

syn. *furcifascia* WALKER, Cat. Brit. Mus., xxv, 1294, 1862; *hecate* BUTLER, Ann. Mag. Nat. Hist., (5), i, 448, 1878; Ill. Lep. Het. B. M., iii, 55, 1879.

b. **hastulata** HÜBNER, Eur. Schmett., 356, 1820.

c. **subhastata** NOLCKEN, Verh. zool.-bot. Ges. Wien, xx, 68, 1870.

d. **thulearia** HERRICH-SCHAEFFER, Eur. Schmett., iii, 156, 1850; GUENÉE, Spec. Gén., ix, 389, 1857; WALKER, Cat. Brit. Mus., xxv, 1282, 1862.

e. **mœstata** NOLCKEN, Verh. zool.-bot. Ges. Wien, xx, 68, 1870.

syn. *hastulata* GUENÉE (not HÜBNER), Spec. Gén., ix, 389, 1857; STAUDINGER, Stett. ent. Zeit., 397, 1861.

3360. **tristata** LINNÆUS, Syst. Nat., 526, 1758; PACKARD, C. 162; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 306, 1884; HOFMANN, Gr. Schm. Eur., 207, 1894. — Can., Eur.

syn. *limbopunctata* NOLCKEN, Lep. Faun., i, 270, 1868.

3361. **sociata** BORKHAUSEN, Eur. Schmett., v, 432, 1794; STAUDINGER, Cat. Lep. Eur., 188, 1871. — No. U. S., Eur.

syn. *substriata* HAWORTH, *degenerata* HAWORTH, *alchemillata* SCHIFFERMÜLLER, *alchemillaria* FREYER, *rivata* DUPONCHEL.

*3362. **luctuata** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 316, 1776 (not desc.); HÜBNER, Bei. Ges. Schm., ii, 4, 3, T, 1792; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3444, 1901. — No. Atl. States.

syn. *luctuaria* HERRICH-SCHAEFFER, *transversata* THUNBERG, *lugubrata* STAUDINGER, Cat. Lep. Eur., 189, 1871; PACKARD, C. 161.

a. **obductata** MÖSCHLER, Wien. ent. Mon., 374, 1860; HULST, Ent. News, vi, 70, 1895.

b. **concordata** WALKER, Cat. Brit. Mus., xxv, 1295, 1862.

c. **kodiakata** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 23, 1874.

*3363. **delimitata** WARREN, Nov. Zool., ii, 114, 1895. — U. S.

3364. **georgii** HULST, Trans. Am. Ent. Soc., xxiii, 280, 1896. — No. U. S., Pac. States.

3365. **rubrosuffusata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 402, 1871; C. 143; BUTLER, Pap., i, 223, 1881. — Pac. States.

ZENOPHLEPS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 280, 1896.

3366. **lignicolorata** PACKARD, Sixth Rept. Peab. Acad. Sci., 42, 1874; Proc. Bost. Soc. Nat. Hist., xvi, pl. 1, f. 11, 1874; C. 138; HULST, Ent. News, vi, 104, 1696. — Pac. States.

*3367. **obscurata** HULST, Trans. Am. Ent. Soc., xxiii, 281, 1896. — Cal.

ENCHORIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 281, 1896.

*3368. **osculata** HULST, Trans. Am. Ent. Soc., xxiii, 281, 1896. — So. Cal.

3369. **albifasciata** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, pl. 1, f. 5, 1874; C. 97. — Cal.

PERCNOPTILOTA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 282, 1896.

3370. **fluviata** Hübner, Eur. Schm., 280, 1820; Packard, C. 78; Millière, Ann. Soc. Linn. Lyon, 50, 1868; Kirby, Eur. Butt., 365, 1882; Möschler, Ver. zool.-bot. Ges. Wien, 304, 1884; Hofmann, Gr. Sch. Eur., 205, 1894; Hulst, Ent. News, vi, 70, 1895; Dyar, Psyche, viii, 429, 1899. — U. S., Eur.

syn. *fluviaria* Herrich-Schaeffer, *gemmata* Hübner, *gemmaria* Herrich-Schaeffer, *angustata* Haworth, *exagitata* Walker, Cat. Brit. Mus., xxv, 1331, 1862; *peracuta* Walker, Cat. Brit. Mus., xxv, 1421, 1862; *obruptata* Walker, Cat. Brit. Mus., xxv, 1713, 1862; *signataria* Walker, Cat. Brit. Mus., xxv, 1718, 1862; *alternata* Walker, Cat. Brit. Mus., xxxv, 1681, 1866; *pigrata* Walker, Cat. Brit. Mus., xxxv, 1681, 1866; *mediata* Walker, Cat. Brit. Mus., xxv, 1338, 1862; *intrusata* Walker, Cat. Brit. Mus., xxv, 1339, 1862; *lapillata* Guenée, Spec. Gén., ix, 430, 1857; *baccata* Guenée, Spec. Gén., ix, 430, 1857; ? *plemyrata* Felder, Reise Nov., pl. 132, f. 15, 1874.

MESOLEUCA Hübner.

Hübner, Verz. bek. Schmett., 326, 1818; Hulst, Trans. Am. Ent. Soc., xxiii, 282, 1896; *Glaucopteryx* Hübner, Packard, C. 66; *Melanthia* Duponchel, Hist. Nat., viii, 252, 1829; Boisduval, Gen. Ind., 216, 1840; Stephens, List. Ins. Br. Mus., 213, 1850; *Camptogramma* Stephens, Ill., iii, 263, 1831; Guenée, Spec. Gén., ix, 422, 1857; Walker, Cat. Brit. Mus., xxv, 1323, 1862; Westwood & Humphreys, Brit. Moths, ii, 51, 1849.

3371. **ruficilliata** Guenée, Spec. Gén., ix, 382, 1857; Packard, C. 153; Emmons, Nat. Hist. N. Y. Agr., v, 249, 1854. — No. U. S.

3372. **gratulata** Walker, Cat. Brit. Mus., xxv, 1273, 1862; Packard, C. 166; Hulst, Ent. News, vi, 43, 1895. — Pac. States.

syn. *brunneiciliata* Packard, Sixth Rept. Peab. Acad. Sci., 42, 1874; C. 152.

3373. **cæsiata** Denis & Schiffermüller, Syst. Verz. Wien, 112, 1776; Borkhausen, Eur. Schmett., v, 351, 1794; Packard, C. 67; Kirby, Eur. Butt., 383, 1882; Möschler, Stett. ent. Zeit., 122, 1883; Verh. zool.-bot. Ges. Wien, 305, 1884; Butler, Pap., i, 222, 1881; Hofmann, Gr. Schm. Eur., 205, 1894; Grote, Bull. Geol. Surv. Terr., Hayden, vi, 591, 1882. — No. U. S., Eur.

syn. *cæsaria* Freyer, *infrequentata* Haworth, *aurata* Packard.

a. **annosata** ZETTERSTEDT, Ins. Lap., 962, 1840.

b. **glaciata** GERMAR, Faun. Ins. Eur., xv, f. 18, 1835; ZETTERSTEDT, Ins. Lap., 959, 1840.

c. **gelata** GUENÉE, Spec. Gén., x, 271, 1857.

d. **inventaria** GROTE, Bull. Geol. Surv. Terr., Hayden, vi, 591, 1882.

3374. **lacustrata** GUENÉE, Spec. Gén., ix, 395, 1857; PACKARD, C. 158. — No. U. S., Eur.

3375. **implicata** GUENÉE, Spec. Gén., x, 284, 1857; PACKARD, C. 71. — Cal., Wis.

syn. *multilineata* PACKARD.

3376. **intermediata** GUENÉE, Spec. Gén., x, 395, 1857; PACKARD, C. 157; DYAR, Psyche, viii, 438, 1899. — Atl. States.

*3377. **brunneomaculata** BATES, Can. Ent., xviii, 74, 1886. — Mass.

3378. **variata** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien. 110, 1776; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3306, 1901; DYAR, Proc. Wash. Acad. Sci., ii, 495, 1900. — Alaska, Eur.

3379. **truncata** HUFNAGEL, Berl. Mag., iv, 602, 1769; PACKARD, C. 105; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3319, 1901; STRECKER, Surv. Dept. Mo., suppl., 1864, 1878. — No. U. S., Eur.

syn. *centumnotata* SCHULZ, *russata* DENIS & SCHIFFERMÜLLER, *russaria* HERRICH-SCHAEFFER, *communotata* HAWORTH, *staurata* STEPHENS, ? *infuscata* TENGSTRÖM, Cat. 30, 320, 1869; *mulleolata* HULST, Bull. Brook. Ent. Soc., iv, 26, 1881; ? *transversata* KELLICOTT, Bull. Buff. Soc., v, 45, 1886; HULST, Ent. News, vi, 106, 1895 (type lost).

a. **brunneata** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 47, 1861; C. 108.

b. **suspectata** MÖSCHLER, Stett. ent. Zeit., xxv, 160, 1874; xxxv, 121, 1884; PACKARD, C. 130.

3380. **immanata** HAWORTH, Lep. Brit., 323, 1810; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3320, 1901. — No. U. S., Eur.

syn. *atrifasciata* HULST, Ent. Amer., iii, 214, 1887; Ent. News, vi, 43, 1895.

a. **marmorata** HAWORTH, Lep. Brit., 324, 1810.

syn. *amœnata* STEPHENS, *passeraria* FREYER, ? *citrata* LINNÆUS.

b. **unicolorata** STAUDINGER, Cat. Lep. Eur., 184, 1871.

3381. **silaceata** HÜBNER, Samml. ausser. Schmett. u. Vögel, 100, 1793; STAUDINGER & REBEL, Cat. Lep. Eur., i, 307, 1901. — Mont., Eur.

a. **deflavata** STAUDINGER, Cat. Lep. Eur., 191, 1871; Stett. ent. Zeit., 122, 1883; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 306, 1884.

3382. **albolineata** PACKARD, Fifth Rept. Peab. Acad., 55, 1873; C. 120. — No. Atl. States.

3383. **hersiliata** GUENÉE, Spec. Gén., x, 464, 1857; PACKARD, C. 111; HULST, Ent. News, vi, 43, 1895. — Col.

syn. *flammifera* WALKER, Cat. Brit. Mus., xxiv, 1184, 1862.

*3384. **ethela** HULST, Trans. Am. Ent. Soc., xxiii, 283, 1896. — Cal.

3385. **abacta** HULST, Can. Ent., xxx, 117, 1898. — Ariz.

3386. **vasaliata** GUENÉE, Spec. Gén., x, 407, 1857; PACKARD, C. 167; HULST, Ent. News, vi, 103, 1895. — U. S.

syn. *rigidata* WALKER, Cat. Brit. Mus., xxvi, 1727, 1862; PACKARD, C. 133.

a. **niveifascia** HULST, Can. Ent., xxx, 115, 1898; Jn. N. Y. Ent. Soc., viii, 216, 1901.

HYDRIOMENA Hübner.

HÜBNER, Verz. bek. Schmett., 322, 1818; PACKARD, C. 90; MEYRICK, Proc. Linn. Soc. N. S. Wales, ii, 819, 1887; Trans. Ent. Soc. Lond., 72, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 283, 1896; *Euphyia* HÜBNER, ?*Perizoma* HÜBNER, ?*Eutephria* HÜBNER, *Chloroclysta* HÜBNER, *Dysstroma* HÜBNER, Verz. bek. Schmett., 333, 1818; *Harpalyce* STEPHENS, *Ypsiptes* STEPHENS, *Emmelesia* STEPHENS, Cat. ii, 147, 1829; *Mæsia* STEPHENS, *Polyphrasia* STEPHENS, *Euthalia* STEPHENS, *Thera* STEPHENS, Ills., iii, 271, 1831; *Phasyle* DUPONCHEL, Cat. Méth., 254, 1844; *Ceratodalia* PACKARD, C. 322.

3387. **sordidata** FABRICIUS, Ent. Syst., 185, 1794; PACKARD, C. 96; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 306, 1884; HOFMANN, Gr. Schm. Eur., 209, 1894. — No. U. S., Eur.

syn. *rectangulata* FABRICIUS, *bicolorata* BORKHAUSEN, *bivirata* BORKHAUSEN.

a. **elutata** HÜBNER, Schmett. Eur., 224, 1820?; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3485a, 1901.

b. **nubilifasciata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 398, 1871; C. 98.

c. **quinquefasciata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 379, 1871.

d. **viridata** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 21, 1874.

e. **bistriolata** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 493, 1873; PACKARD, C. 94.

f. **glaucata** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 20, 1876.

3388. **autumnalis** STRÖMEYER, Kgl. Vid. Skr.-Sel., 85, 1783; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3486, 1901. — Pac. States, Eur.

syn. *trifasciata* BORKHAUSEN, *impluviata* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 109, 1776 (not desc.); *pluviata* GUENÉE, *divisaria* WALKER, Cat. Brit. Mus., xxi, 489, 1860; *renunciata* WALKER, Cat. Brit. Mus., xxv, 1187, 1862; *frigidata* WALKER, Cat. Brit. Mus., xxv, 1729, 1862; HULST, Ent. News, xi, 43, 1895.

3389. **pernotata** HULST, Can. Ent., xxx, 117, 1898. — Alaska.

3390. **tæniata** STEPHENS, Ills., iii, 299, 1831; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3324, 1901; HULST, Ent. News, vi, 103, 1895. — No. U. S., Eur.

syn. *arctata* ZELLER, *arctaria* HERRICH-SCHAEFFER, *albimacularia* FREYER, *explagiata* WALKER, Cat. Brit. Mus., xxv, 1728, 1862; PACKARD, C. 133; *basaliata* WALKER, Cat. Brit. Mus., xxv, 1184, 1862; PACKARD, C. 154; *fulvida* BUTLER.

3391. **californiata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 396, 1871; C. 94. — Pac. States, Ariz., Mont.

*3392. **speciosata** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 22, 1874; C. 102. — Tex., Cal., Ariz.

*3393. **reflata** GROTE, Can. Ent., xiv, 186, 1882. — Rocky Mts.

3394. **similaris** HULST, Trans. Am. Ent. Soc., xxiii, 284, 1896. — Col., Nev.

3395. **contracta** PACKARD, Fifth Rept. Peab. Acad., 56, 1873; C. 89. — Me.

*3396. **sparsimacula** HULST, Trans. Am. Ent. Soc., xxiii, 285, 1896. — Cal.

3397. **banavahrata** STRECKER, Lep. Rhop. Het., suppl. 2, 11, 1899. — Cal.

3398. **occidens** HULST, Can. Ent., xxx, 180, 1898. — Oreg.

*3399. **herbicolata** HULST, Trans. Am. Ent. Soc., xxiii, 285, 1896. — Cal.

*3400. **floridata** WALKER, Cat. Brit. Mus., xxv, 1719, 1862; HULST, Ent. News, vi, 105, 1895 (type lost). — Fla.

3401. **multiferata** WALKER, Cat. Brit. Mus., xxv, 1715, 1862; PACKARD, C. 81. — No. U. S.

3402. **latirupta** WALKER, Cat. Brit. Mus., xxxv, 1684, 1866; PACKARD, C. 169; HULST, Ent. News, vi, 43, 1895. — U. S.

syn. *lascinata* ZELLER, Verh. zool.-bot. Ges. Wien, 205, 1873.

*3403. **curvilinea** HULST, Trans. Am. Ent. Soc., xxiii, 286, 1896. — Brit. Col.

*3404. **immediata** GROTE, Can. Ent., xiv, 184, 1882 (type lost). — N. Y.

3405. **costiguttata** HULST, Trans. Am. Ent. Soc., xxiii, 286, 1896. — Cal., Oreg.

3406. **custodiata** GUENÉE, Spec. Gén., ix, 491, 1857; WALKER, Cat. Brit. Mus., xxv, 1438, 1862; HULST, Ent. News, vi, 104, 1895. — Pac. States, Rocky Mts.

syn. *gueneata* PACKARD, C. 141.

*3407. **excurvata** GROTE, Can. Ent., xv, 123, 1883. — Mont., B. C.

syn. *gueneata* PACKARD, C. 323.

*3408. **mirabilata** GROTE, Can. Ent., xv, 123, 1883. — Rocky Mts.

*3409. **unangulata** HAWORTH, Lep. Brit., 332, 1829; PACKARD, C. 159; HOFMANN, Gr. Schm. Eur., 207, 1894; HULST, Ent. News, vi, 70, 1896. — U. S., Eur.

syn. *unangularia* HERRICH-SCHAEFFER, *congregata* WALKER, Cat. Brit. Mus., xxv, 1264, 1862.

*3410. **amorata** HULST, Can. Ent., xxxii, 104, 1900. — Cal.

3411. **neomexicana** HULST, Trans. Am. Ent. Soc., xxiii, 285, 1896. — Rocky Mts., Cal., Fla.

3412. **grandiosa** HULST, Can. Ent., xxx, 118, 1898. — Fla., Ariz.

3413. **australata** HULST, Ent. Amer., i, 205, 1886. — Fla.

*3414. **albata** HULST, Trans. Am. Ent. Soc., xxiii, 284, 1896. — Ariz.

*3415. **elisata** STRECKER, Lep. Rhop. Het., suppl. 2, 11, 1899. — Atl. States.

TRIPHOSA Stephens.

STEPHENS, Cat., 44, 1829; PACKARD, C. 177; v. GUMPPENBERG, Nov. Act. Halle, lii, 129, 1888; HOFMANN, Gr. Schm. Eur., 199, 1894; HULST, Tr. Am. Ent. Soc., xxiii, 287, 1896.

3416. **dubitata** LINNÆUS, Syst. Nat., 524, 1758; PACKARD, C. 177; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3259, 1901. — No. Atl. States, Eur.

3417. **progressata** WALKER, Cat. Brit. Mus., xxv, 1348, 1862; BUTLER, Pap., i, 223, 1881; HULST, Ent. News, vi, 43, 1895. — No. Pac. States.

syn. *indubitata* GROTE, Bull. U. S. Geol. Surv. Terr., vi, 591, 1882; *dubitata* PACKARD (not LINNÆUS), C. 177; HARVEY, Bull. Buff. Soc., i, 264, 1874; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 301, 1884.

a. **pustularia** HY. EDWARDS, Ent. Amer., i, 50, 1885.

CŒNOCALPE Hübner.

Hübner, Verz. bek. Schmett., 330, 1818; Hulst, Trans. Am. Ent. Soc., xxiii, 287, 1896; *Corythea* Duponchel, Cat. Méth., 257, 1844; *Stammodes* Guenée, Spec. Gén., ix, 515, 1857; v. Gumppenberg, Nov. Act. Halle, lxix, 345, 1887.

3418. **aurata** Grote, Can. Ent., xiv, 186, 1882. — Rocky Mts.

3419. **magnoliata** Guenée, Spec. Gén., ix, 455, 1857; Hy. Edwards, Proc. Cal. Acad. Sci. vi, 89, 1875; Packard, C. 70; Moffat, Can. Ent., xvi, 38, 1884; Hulst, Ent. News, vi, 70, 1895. — U. S.

syn. *ziczacata* Walker, Cat. Brit. Mus., xxv, 1185, 1862; *placidata* Walker, Cat. Brit. Mus., xxv, 1186, 1862; *quadripunctata* Packard, Proc. Bost. Soc. Nat. Hist., xiii, 402, 1871.

a. **cumatilis** Grote & Robinson, Ann. N. Y. Lyc. Nat. Hist., viii, 460, 1867; Grote, Can. Ent., xvi, 38, 1884; Packard, Proc. Bost. Soc. Nat. Hist., xvi, 20, 1874.

*3420. **oxygramma** Hulst, Trans. Am. Ent. Soc., xxiii, 288, 1896. — Cal.

3421. **carnata** Packard, Sixth Rept. Peab. Acad. Sci., 43, 1874; Proc. Bost. Soc. Nat. Hist., xvi, pl. 1, f. 9, 1874. — Pac. States.

syn. *carneata* Packard, C. 142.

*3422. **phlebeculata** Guenée, Spec. Gén., ix, 419, 1857; Walker, Cat. Brit. Mus., xxv, 1309, 1862; Packard, C. 149; Hulst, Ent. News, vi, 104, 1895 (type lost). — Cal.

3423. **alaskæ** Hulst, Trans. Am. Ent. Soc., xxiii, 287, 1896. — Alaska.

3424. **parinotata** Zeller, Verh. zool.-bot. Ges. Wien, xxii, 495, 1872; Packard, C. 155. — Tex., Fla.

3425. **polygrammata** Hulst, Trans. Am. Ent. Soc., xxiii, 288, 1896. — Rocky Mts.

3426. **gibbocostata** Walker, Cat. Brit. Mus., xxv, 1388, 1862; Hulst, Ent Am., iii, 9, 1887; Ent. News, vi, 42, 1895. — Atl. States.

syn. *costinotata* Walker, Cat. Brit. Mus., xxv, 1701, 1862; *strigularia* Minot; Packard, C. 170; Winn, Can. Ent., xxiii, 97, 1891; *æneiformis* Harvey, Buff. Bull., i, 265, 1873.

*3427. **annellata** Hulst, Ent. Amer., ii, 191, 1887. — Pac. States.

*3428. **morrisata** Hulst, Ent. Amer., ii, 190, 1887. — Ariz.

*3429. **cœnonymphata** Hulst, Can. Ent. xxxii, 104, 1900. — Col., Cal.

3430. **fervifactaria** Grote, Pap., i, 177, 1881. — Rocky Mts.

3431. **formosata** STRECKER, Surv. Dept. Mo., Ruffner, app., 1864, 1878. — Rocky Mts.

syn. *drysadata* HULST, Bull. Brook. Ent. Soc., iii, 43, 1880; *sponsata* GROTE, Can. Ent., xiv, 215, 1882.

*3432. **seifertii** NEUMOEGEN, Pap., ii, 125, 1882. — Ariz.

3433. **tessellata** PACKARD, Rept. Geol. Surv. Terr., v, 522, 1873; C. 261. — Ariz.

3434. **topazata** STRECKER, Lep. Rhop. Het., suppl. 2, 9, 1899. — Rocky Mts., Alaska.

EMPLOCIA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ausser. Schmett., 34, 1855; HULST, Trans. Am. Ent. Soc., xxiii, 288, 1896.

3435. **inconstans** GEYER, Zuträge Exot. Schmett., f. 861, 1825. — N. Mex., Ariz.

syn. *cephisaria* GROTE, Pap., i, 177, 1881; HULST, Trans. Am. Ent. Soc., xxiii, 289, 1896.

MARMOPTERYX Packard.

PACKARD, Rept. Geol. Surv. Terr., v, 552, 1873; C. 259; HULST, Trans. Am. Ent. Soc., xxiii, 289, 1896; *Marmoropteryx* v. GUMPPENBERG, Nov. Act. Halle, xlix, 332, 1887.

3436. **marmorata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 393, 1871; C. 260. — Rocky Mts., Cal.

*3437. **odonata** HULST, Trans. Am. Ent. Soc., xxiii, 289, 1896. — Col.

GYPSOCHROA Hübner.

HÜBNER, Verz. bek. Schmett., 336, 1818; v. GUMPPENBERG, Nov. Act. Halle, xlix, 368, 1887; HULST, Trans. Am. Ent. Soc., xxiii, 290, 1896; *Cidaria* TREITSCHKE, Schm. Eur., vi, 2, 242, 1828; MEYRICK, Trans. Ent. Soc. Lond., 211, 1886; HOFMANN, Gr. Schm. Eur., 201, 1894.

3438. **designata** HUFNAGEL, Berl. Mag., iv, 612, 1769; PACKARD, C. 144; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 304, 1884; GOODELL, Can. Ent., xii, 235, 1880; HOFMANN, Gr. Schm. Eur., 205, 1894. — U. S., Eur.

syn. *propugnata* DENIS & SCHIFFERMÜLLER, *propugnaria* TREITSCHKE.

3439. **sitellata** GUENÉE, Spec. Gén., x, 298, 1857; WALKER, Cat. Brit. Mus., xxv, 1210, 1862. — U. S.

syn. *hæsitata* GUENÉE, Spec. Gén., x, 444, 1857; HULST, Ent. News, vi, 43, 1895; DYAR, Psyche, ix, 59, 1900; *impauperata* WALKER, Cat. Brit. Mus., xxv, 1363, 1862; *albosignata* PACKARD, Fifth Rept. Peab. Acad., 61, 1873; C. 174; v. GUMPPENBERG, Nov. Act. Halle, lii, 141, 1888.

EURHINOSEA Packard.

PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 34, 1873; HULST, Trans. Am. Ent. Soc., xxiii, 290, 1896.

*3440. **flavaria** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 35, 1873. — Cal.

syn. *flavata* PACKARD, C. 129.

*3441. **leoninata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 401, 1871; C. 119; HULST, Ent. News, vi, 104, 1895. — Cal.

*3442. **mancipata** GUENÉE, Spec. Gén. x, 468, 1857; PACKARD, C. 113; HULST, Ent. News, vi, 104, 1895. — Cal.

syn. *subochreata* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 400, 1871.

PSYCHOPHORA Curtis.

CURTIS, App. Ross Second Voy., 73, 1835; HULST, Trans. Am. Ent. Soc., xxiii, 290, 1896.

3443. **sabinii** CURTIS, App. Ross Second Voy., 73, 1835; HULST, Trans. Am. Ent. Soc., xxiii, 290, 1896; Ent. News, vi, 70, 1895. — Greenl., Lab.

syn. *frigidaria* GUENÉE, Spec. Gén., x, 269, 1857; *phocata* MÖSCHLER, Wien. ent. Mon., vi, 9, 1862; PACKARD, C. 76; *sabinaria* PACKARD, C. 75.

a. **polaris** HULST (both wings uniform brownish gray, the fore wings darker).

b. **immaculata** SKINNER, Proc. Acad. Nat. Sci. Phil., 159, 1892; HULST, Ent. News, vi, 70, 1895.

3443. 1. **fasciata** SKINNER, Ent. News, xiii, 141, 1902. — Alaska.

TRICHOCHLAMYS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 291, 1896.

*3444. **polata** HÜBNER, Zutr. exot. Schmett., f. 805, 1825; STAUDINGER, Stett. ent. Zeit., 395, 1861; PACKARD, C. 73; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 305, 1884; HOFMANN, Gr. Schm. Eur., 205, 1894. — Arctic Am.

syn. *polaria* HERRICH-SCHAEFFER, Eur. Schmett., iii, 162, 1847; CHRISTOPH, Wien. ent. Mon., 313, 1858; HULST, Ent. News, vi, 106, 1895; *punctipes* CURTIS, App. Ross Second Voy., 73, 1835.

a. **brullei** LEFÈBRE, Ann. Soc. Ent. Fr., 399, 1836; STAUDINGER, Stett. ent. Zeit., 306, 1857; WALKER, Cat. Brit. Mus., xxv, 1284, 1862.

3445. **lacteata** PACKARD C. 143, 1876. — Pac. States.

ERSEPHILA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 291, 1896.

3446. **grandipennis** Hulst, Trans. Am. Ent. Soc., xxiii, 291, 1896. — Pac. States, Col.

3447. **indistincta** Hulst, Can. Ent., xxx, 119, 1898. — Pac. States, Col.

PETROPHORA Hübner.

Hübner, Tentamen, 1810; Packard, C. 103; Hulst, Trans. Am. Ent. Soc., xxiii, 292, 1896; *Xanthorhoe* Hübner, Verz. bek. Schmett., 327, 1818; Meyrick, Proc. Linn. Soc. N. S. Wales, ii, 862, 1887; Trans. Ent. Soc. Lond., 76, 1892; *Calostygia* Hübner, *Melanydris* Hübner, *Pterocymia* Hübner, *Amœba* Hübner, *Ochyria* Hübner, *Ongchia* Hübner, *Scotopteryx* Hübner, *Ortholitha* Hübner, *Mesotype* Hübner, Verz. bek. Schm., 328–338, 1818; v. Gumppenberg, Nov. Act. Halle, lii, 142, 1888; *Eubolia* Duponchel, Hist. Nat., viii, 162, 1829; *Larentia* Duponchel, Hist. Nat., viii, 358, 1829; Meyrick, Tr. Linn. Soc. N. S. Wales, 77, 1883; *Zerynthia* Curtis, Brit. Ent., vii, 296, 1830; *Cymatozonita* Sodoffsky, Bull. Imp. Soc. Mosc., 126, 1837; *Eusebia* Duponchel, Cath. Méth., 249, 1844; *Coremia* Guenée, Spec. Gén., x, 408, 1857; Walker, Cat. Brit. Mus., xxv, 1304, 1862.

*3448. **volucer** Hulst, Trans. Am. Ent. Soc., xxiii, 293, 1896. — Rocky Mts.

*3449. **incursata** Hübner, Schmett. Eur., f. 351, 1803; Staudinger & Rebel, Cat. Lep. Eur., i, no. 3361, 1901. — No. U. S., Eur.

syn. *disceptaria* Fischer, *incursaria* Herrich-Schaeffer, *decrepitata* Zetterstedt, *decrepitaria* Herrich-Schaeffer, Schm. Eur., iii, 159, 1847; *polygrapharia* Boisduval, Ind. Méth., 203, 1840, Guenée, Spec. Gén., x, 282, 1857.

*3450. **abrasaria** Herrich-Schaeffer, Neu. Schmett., 27, vi, 137, 1856; Packard, C. 139; Möschler, Verh. zool.-bot. Ges. Wien, 304, 1884. — No. U. S., Eur.

syn. *ligularia* Guenée, *baicalcata* Bremer, *nigrofasciata* Packard.

*3451. **illocata** Hulst, Trans. Am. Ent. Soc., xxiii, 293, 1896. — Or., Alaska.

3452. **borealis** Hulst, Trans. Am. Ent. Soc., xxiii, 292, 1896. — Alaska.

3453. **nemorella** Hulst, Trans. Am. Ent. Soc., xxiii, 293, 1896. — Pac. Coast.

3454. **glacialis** Hulst, Can. Ent., xxx, 119, 1898. — Alaska.

a. **longula** Hulst, Can. Ent., xxx, 119, 1898; Dyar, Can. Ent., xxx, 203, 1898.

*3455. **algidata** Möschler, Stett. ent. Zeit., xxxv, 162, 1874; xliv, 121, 1883; Packard, C. 150. — Lab., Anticosti.

3456. **munitata** HÜBNER, Schm. Eur., f. 346, 1803; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3327, 1901. — No. U. S., Eur.

syn. *munitaria* HERRICH-SCHAEFFER, Eur. Schmett., iii, 167, 1847; PACKARD, C. 136; *decoloraria* ESPER, *arcticaria* GERMAR, *collinaria* METZNER, Stett. ent. Zeit., 238, 1846; *strigata* PACKARD, *californiata* PACKARD.

a. **labradorensis** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 46, 1867; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 302, 1884.

*3457. **ferrugata** CLERCK, Icones, vi, 14, 1759; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3369, 1901. — No. U. S., Eur.

syn. *ferrugaria* BORKHAUSEN; PACKARD, C. 146; *unidentaria* HAWORTH.

3458. **spadicearia** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 113, 1776; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3369, 1901.

syn. *ferrugata* HÜBNER (not CLERCK), *ferrugaria* HAWORTH (not BORKHAUSEN), *alchemillaria* ESPER, *freyeraria* STAUDINGER, Cat. Lep. Eur., no. 524, 1861.

3459. **montanata** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 113, 1776; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3363, 1901. — No. U. S., Eur.

syn. *montanaria* TREITSCHKE, *implicata* VILLIERS, *ocellata* FABRICIUS.

a. **lapponica** STAUDINGER, Cat. Lep. Eur., 186, 1871; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 303, 1884.

*3460. **convallaria** GUENÉE, Spec. Gén., x, 410, 1857; PACKARD, C. 149; HULST, Ent. News, vi, 104, 1895. — Col., Cal., B. C.

3461. **defensaria** GUENÉE, Spec. Gén., x, 411, 1857; PACKARD, C. 149. — Col., Pac. States.

*3462. **anticostiata** STRECKER, Lep. Rhop. Het., suppl. 2, 11, 1899. — Anticosti.

3463. **fluctuata** LINNÆUS, Syst. Nat., 527, 1758; PACKARD, C. 155; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3344, 1901; HULST, Ent. News, vi, 104, 1896. — No.-E. U. S., Eur.

syn. *fibulata* HUFNAGEL, *costorata* HAWORTH, *iduata* GUENÉE, Spec. Gén., x, 403, 1857; *ideata* WALKER, Cat. Brit. Mus., xxv, 1296, 1862.

LOXOFIDONIA Packard.

PACKARD, C. 223; HULST, Trans. Am. Ent. Soc., xxiii, 294, 1896; *Thyone* MEYRICK, Trans. N. Zeal. Ins., xvi, 61, 1883; *Asaphodes* MEYRICK, Trans. N. Zeal. Ins., xviii, 184, 1885; Trans. Ent. Soc. Lond., 76, 1892.

*3464. **acidaliata** PACKARD, Sixth Rept. Peab. Acad. Sci., 48, 1874; C. 224; STRECKER, Surv. Dept. Mo., suppl., 1862, 1878. — Col.

Subfamily MONOTAXIINÆ.

MONOTAXIS Hulst.

HULST, Can. Ent., xxx, 120, 1898.

3465. **semipectinata** HULST, Can. Ent., xxx, 120, 1898. — Ariz.

Subfamily MONOCTENIINÆ.

SYNOMILA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 295, 1896.

3466. **subochreata** HULST, Ent. Amer., ii, 187, 1887. — Rocky Mts., Oreg.

PAOTA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 295, 1896.

*3467. **fultaria** GROTE, Can. Ent., xiv, 174, 1882. — Ariz.

HÆMATOPSIS Hübner.

HÜBNER, Verz. bek. Schmett., 301, 1818; PACKARD, C. 218; HULST, Trans. Am. Ent. Soc., xxiii, 295, 1896.

3468. **grataria** FABRICIUS, Ent. Syst., suppl., 112, 1798; PACKARD, C. 219; RILEY, Rept. Ins. Mo., i, 179, 1869; BOWLES, Can. Ent., xv, 165, 1883; DYAR, Psyche, ix, 155, 1901. — Atl. States.

syn. *saniaria* HÜBNER, *successaria* WALKER, Can. Nat., v, 262, 1862; Cat. Brit. Mus., xxv, 1617, 1862; GROTE, Can. Ent., ix, 29, 1878.

Subfamily STERRHINÆ.

ERASTRIA Hübner.

HÜBNER, Tentamen, 1810; *Calothysanis* HÜBNER, Verz. bek. Schmett., 301, 1818; MEYRICK, Trans. Ent. Soc. Lond., 91, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 297, 1896; *Timandra* DUPONCHEL, *Bradypeies* STEPHENS; PACKARD, C. 316.

3469. **amaturaria** WALKER, Cat. Brit. Mus., xxxv, 1634, 1866; PACKARD, C. 317; Ins. Life, iv, 382, 1892; KELLICOTT, Can. Ent., xxiv, 242, 1892. — Atl. States.

*3470. **viridipennaria** GUENÉE, Spec. Gén., x, 3, 1857; HULST, Ent. News, vi, 104, 1895. — No. Am.

PIGIA Guenée.

GUENÉE, Spec. Gén., x, 19, 1857; HULST, Trans. Am. Ent. Soc., xxiii, 297, 1896.

*3471. **multilineata** HULST, Ent. Amer., ii, 188, 1887. Ariz.

EUACIDALIA Packard.

PACKARD, Fifth Rept. Peab. Acad., 69, 1873; C. 318; HULST, Trans. Am. Ent. Soc., xxiii, 298, 1896.

3472. **sericeata** PACKARD, Fifth Rept. Peab. Acad., 69, 1873; C. 318. Fla. to Ariz.

PROSOPARIA Grote.

GROTE, Can. Ent., xv, 130, 1883; HULST, Trans. Am. Ent. Soc., xxiii, 298, 1896.

*3473. **perfuscaria** GROTE, Can. Ent., xv, 130, 1883. Ariz.

MYCTEROPHORA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 298, 1896.

*3474. **monticola** HULST, Trans. Am. Ent. Soc., xxiii, 299, 1896. Cal.

*3475. **longipalpata** HULST, Trans. Am. Ent. Soc., xxiii, 299, 1896. Cal.

*3476. **slossoniæ** HULST, Can. Ent., xxx, 120, 1898. N. H., Man.

DEPTALIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 299, 1896.

3477. **insularia** GUENÉE, Spec. Gén., ix, 469, 1857; PACKARD, C. 335; HULST, Ent. Amer., iii, 175, 1887; Ent. News, vi, 71, 1895. Atl. States.

syn. *asthenaria* WALKER, Cat. Brit. Mus., xxii, 737, 1861; *invariata* WALKER, Cat. Brit. Mus., xxv, 1596, 1862; *imparata* WALKER, Cat. Brit. Mus., xxv, 1598, 1862; *persimilata* GROTE.

COSYMBIA Hübner.

HÜBNER, Verz. bek. Schmett., 302, 1818; *Cyclophora* HÜBNER (not MONTFORT), Tentamen, 1810; HULST, Trans. Am. Ent. Soc., xxiii, 300, 1896; *Leucophthalmia* HÜBNER, Verz. bek. Sch., 302, 1818; MEYRICK, Trans. Ent. Soc. Lond., 91, 1892; *Codonia* HÜBNER, Verz. bek. Schmett., 302, 1818; *Pyctis* HÜBNER, Verz. bek. Schmett., 309, 1818; *Ephyra* DUPONCHEL, Hist. Nat., viii, 20, 1829; PACKARD, C. 361; *Zonosoma* LEDERER, Verh. zool.-bot. Ges. Wien, 194, 1853.

3478. **culicaria** GUENÉE, Spec. Gén., ix, 407, 1857; PACKARD, C. 365; HULST, Ent. Amer., ii, 221, 1887; Ent. News, vi, 72, 1895. So. Atl. States.

3479. **myrtaria** GUENÉE, Spec. Gén., ix, 408, 1857; PACKARD, C. 364; GOODELL, Can. Ent., ix, 62, 1877; HULST, Ent. News, vi, 70, 1896. — Atl. States, Col.

syn. *ignotaria* WALKER, Cat. Brit. Mus., xxv, 1576, 1862.

3480. **lumenaria** HÜBNER, Zutr. exot. Schmett., f. 757, 1832; PACKARD, C. 365; HULST, Ent. News, vi, 106, 1895. — Atl. States.

syn. *pendulinaria* GUENÉE; PACKARD, C. 363; *quadriannulata* WALKER, Cat. Brit. Mus., xxv, 1595, 1862.

*3481. **umatillaria** STRECKER, Lep. Rhop. Het., suppl. 2, 9, 1899. — Fla.

3482. **serrulata** PACKARD, Fifth Rept. Peab. Acad. Sci., 73, 1873; C. 366. — Atl. States, Ariz.

*3483. **dataria** HULST, Ent. Amer., ii, 186, 1887. — Cal.

*3484. **albocostaliata** PACKARD, C. 336. — Atl. States.

3485. **pannaria** GUENÉE, Spec. Gén., ix, 470, 1857; PACKARD, C. 336; HULST, Ent. News, vi, 73, 1895. — Atl. States.

syn. *tremularia* WALKER, Cat. Brit. Mus., xxv, 1614, 1862; *purpurissata* GROTE.

SYNELYS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 300, 1896.

3486. **alabastaria** HÜBNER, Zutr. exot. Schmett., ii, f. 311, 1825?; HULST, Ent. News, vi, 72, 1895, vi, 106, 1895. — Atl. States.

syn. *reconditaria* WALKER, Cat. Brit. Mus., xxiii, 786, 1861; PACKARD, C. 357; GROTE, Trans. Am. Ent. Soc., ii, 82, 1868; HULST, Ent. News, vi, 72, 1895; *ennucleata* PACKARD (not GUENÉE), C. 347; GOODELL, Can. Ent., xi, 194, 1879; Can. Ent., xii, 236, 1880.

3487. **ennucleata** GUENÉE, Spec. Gén., ix, 505, 1857; HULST, Ent. News, vi, 72, 1895; DYAR, Psyche, ix, 165, 1901. — Atl. States, Rocky Mts.

syn. *restrictata* WALKER, Cat. Brit. Mus., xxii, 722, 1861; *mensurata* WALKER, Cat. Brit. Mus., xxxv, 1621, 1866; *continuaria* WALKER, Cat. Brit. Mus., xxxv, 1622, 1866.

*3488. **pergracilis** HULST, Can. Ent., xxx, 121, 1898. — Fla.

*3489. **nigrocandida** HULST, Can. Ent., xxx, 121, 1898. — Fla.

*3490. **timandrata** WALKER, Cat. Brit. Mus., xxii, 724, 1861; PACKARD, C. 355; HULST, Ent. News, vi, 72, 1895. — Fla.

syn. *rufilineata* WALKER, Cat. Brit. Mus., xxiii, 783, 1861.

3491. **ordinata** WALKER, Cat. Brit. Mus., xxii, 722, 1861; PACKARD, C. 565; HULST, Ent. News, vi, 71, 1895. — So. States.

syn. *puraria* WALKER, Cat. Brit. Mus., xxiii, 796, 1861; HULST, Ent. News, vi, 71, 1895; *candidaria* PACKARD, C. 349.

3492. **subquadrata** GUENÉE, Spec. Gén., ix, 459, 1857; WALKER, Cat. Brit. Mus., xxii, 729, 1861; HULST, Ent. News, vi, 73, 1895. — Fla.

syn. *obluridata* HULST, Ent. Amer., ii, 185, 1887.

*3493. **umbilicata** GUENÉE, Spec. Gén., ix, 504, 1857; WALKER, Cat. Brit. Mus., 727, 1861; HULST, Ent. News, vi, 72, 1895. — Fla., Tex.

syn. *indoctaria* WALKER, Cat. Brit. Mus., xxii, 731, 1861.

XYSTROTA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 301, 1896.

3494. **hepaticaria** GUENÉE, Spec. Gén., ix, 471, 1857; PACKARD, C. 352; HULST, Ent. Amer., ii, 222, 1887, iv, 49, 1888. — U. S.

syn. *rubromarginaria* PACKARD, *ferrunimaria* ZELLER, Verh. zool.-bot. Ges. Wien, 478, 1873; PACKARD, C. 360; *rubromarginata* PACKARD, C. 339.

WAUCHULA Hulst.

HULST, Jn. N. Y. Ent. Soc., viii, 216, 1901.

3495. **rubrotincta** HULST, Jn. N. Y. Ent. Soc., viii, 216, 1901. — Fla.

CINGLIS Guenée.

GUENÉE, Spec. Gén., x, 114, 1857; MEYRICK, Trans. Ent. Soc. Lond., 90, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 301, 1896.

*3496. **luteolata** HULST, Bull. Brook. Ent. Soc., iii, 42, 1880; Ent. Amer., ii, 222, 1887. — Col.

3497. **similaria** WALKER, Cat. Brit. Mus., xxxv, 1592, 1866; HULST, Ent. News, vi, 72, 1895. — Atl. States.

syn. *quadrilineata* PACKARD, C. 345.

3498. **purata** GUENÉE, Spec. Gén., ix, 488, 1857; WALKER, Cat. Brit. Mus., xxii, 720, 1861; PACKARD, C. 353; HULST, Ent. Amer., ii, 222, 1887. — Atl. States.
syn. *cacuminata* MORRISON, *cacuminaria* PACKARD, C. 346.

*3499. **compensata** WALKER, Cat. Brit. Mus., xxii, 724, 1861; PACKARD, C. 354. — Tex., Fla.

3500. **ancellata** HULST, Ent. Amer., ii, 186, 1887. — Rocky Mts.

3501. **fuscata** HULST, Ent. Amer., ii, 187, 1887. — Rocky Mts.

*3502. **albidula** HULST, Trans. Am. Ent. Soc., xxiii, 301, 1896. — Fla.

SCELOLOPHIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 301, 1896.

*3503. **formosa** HULST, Trans. Am. Ent. Soc., xxiii, 302, 1896. — Tex.

CHAROMMATÆA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 302, 1896.

*3504. **ella** HULST, Trans. Am. Ent. Soc., xxiii, 302, 1896. — Tex.

a. **ellatina** HULST, Trans. Am. Ent. Soc., xxiii, 303, 1896.

LEPTOMERIS Hübner.

HÜBNER, Verz. bek. Schmett., 310, 1818; MEYRICK, Trans. Ent. Soc. Lond., 89, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 303, 1896; *Craspedia* HÜBNER, Verz. bek. Schmett., 312, 1818; *Dosithea* DUPONCHEL, Hist. Nat., viii, 43, 1829.

3505. **gemmata** PACKARD, C. 320, 1876. — Rocky Mts.

3506. **lautaria** HÜBNER, Zutr. exot. Schmett., 539, 1820?; HULST, Ent. News, vi, 72, 1895. — So. States.
syn. *myrmidonata* GUENÉE, Spec. Gén., ix, 487, 1857; PACKARD, C. 353; *minutularia* HULST, Bull. Brook. Ent. Soc., iii, 44, 1880.

*3507. **occidentaria** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 29, 1874; C. 321. — Pac. States, Col.
syn. *occidentata* PACKARD.

*3508. **roseotincta** HULST, Trans. Am. Ent. Soc., xxiii, 303, 1896. — Fla.

3509. **æmulata** HULST, Trans. Am. Ent. Soc., xxiii, 303, 1896. — Fla.

3510. **quinquelinearia** PACKARD, Proc. Bost. Soc. Nat. Hist., 389, 1871; Rept. Geol. Surv. Terr., v, 554, 1873; C. 348; BUTLER, Pap., i, 221, 1881. — U. S.

3511. **sentinaria** HÜBNER, Zutr. exot. Schmett., f. 823, 1837; PACKARD, C. 342. — No. U. S.

syn. *spuraria* CHRISTOPH, *gracilior* BUTLER, Ann. Mag. Nat. Hist., (6), xii, 18, 1893.

3512. **magnetaria** GUENÉE, Spec. Gén., ix, 450, 1857; PACKARD, C. 350; HULST, Ent. Amer., ii, 222, 1886. — Pac. States.

syn. *rubrolinearia* PACKARD, *rubrolineata* PACKARD, C. 343.

*3513. **frigidaria** MÖSCHLER, Wien. ent. Monat., iv, 44, 1860; PACKARD, C. 340; HULST, Ent. News, vi, 71, 1895. — Arctic Am.

syn. *defixaria* WALKER, Cat. Brit. Mus., xxiii, 796, 1861; *impauperata* WALKER, Cat. Brit. Mus., xxv, 1363, 1862; *?arcticaria* WALKER, Cat. Brit. Mus., xxvi, 1594, 1862; HULST, Ent. News, vi, 105, 1895 (type lost); *okakaria* PACKARD.

3514. **ostentaria** WALKER, Cat. Brit. Mus., xxiii, 784, 1861; PACKARD, C. 355. — Fla., Tex.

3515. **plantagenaria** HULST, Ent. Amer., ii, 185, 1887. — Fla. to Ariz.

*3516. **nigrodiscalis** HULST, Can. Ent., xxx, 158, 1898. — Me.

*3517. **placidaria** GUENÉE, Spec. Gén., ix, 469, 1857; PACKARD, C. 352; HULST, Ent. News, vi, 105 1895 (type lost). — No. Am.

EOIS Hübner.

HÜBNER, Verz. bek. Schmett., 308, 1818; PACKARD, C. 319; MEYRICK, Trans. Ent. Soc. Lond., 86, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 304, 1896; *Arrhostia* HÜBNER, Verz. bek. Schmett., 311, 1818; *Ptychopoda* STEPHENS, Cat. 150, 1829; *Hyria* STEPHENS, Cat. 150, 1829; GUENÉE, Spec. Gén., ix, 428, 1857; *Carphoxera* RILEY, Ins. Life, iv, 112, 1892.

3518. **parvularia** HULST, Ent. Amer., iii, 213, 1887. — Tex.

3519. **ptelearia** RILEY, Ins. Life, iv, 112, 1892; iv, 271, 1892; v, 40, 1892; WRIGHT, Ins. Life, v, 271, 1892. — U. S.

*3520. **scintillaria** HULST, Ent. Amer., iii, 213, 1887. — Fla.

3521. **demissaria** HÜBNER, Zutr. exot. Schmett., 563, 1825; PACKARD, C. 351. — U. S.

syn. *ferrugata* PACKARD, C. 321; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 304, 1884; *bonifata* HULST, Ent. Amer., ii, 187, 1886.

a. **russata** HULST, Ent. Amer., ii, 187, 1886.

syn. *eremiata* HULST, Ent. Amer., ii, 187, 1886; *?inclusaria* WALKER, Cat. Brit. Mus., xxv, 1596, 1862; HULST, Ent. News, vi, 105, 1895 (type lost).

3522. **purpurascens** HULST, Can. Ent., xxxii, 105, 1900. — Fla.

*3523. **hilliata** HULST, Ent. Amer., ii, 187, 1886. — Fla.

*3524. **flavescens** HULST, Trans. Am. Ent. Soc., xxiii, 304, 1896. — Tex.

3525. **lævitaria** HÜBNER, Zutr. exot. Schmett., f. 873, 1820?; GUENÉE, Spec. Gén., ix, 471, 1857; WALKER, Cat. Brit. Mus., xxii, 719, 1861. — Fla. to Cal.

syn. *floridata* PACKARD, C. 319.

3526. **microphysa** HULST, Trans. Am. Ent. Soc., xxiii, 305, 1896. — So. Cal.

*3527. **delicata** HULST, Trans. Am. Ent. Soc., xxiii, 305, 1896. — N. Mex.

3528. **peralbata** PACKARD, Fifth Rept. Peab. Acad. Sci., 70, 1873; C. 332; STRECKER, Surv. Dept. Mo. Ruffner, app., 1862, 1878. — Tex.

syn. *longipennata* PACKARD, Fifth Rept. Peab. Acad. Sci., 71, 1873; C. 332; HULST, Ent. Amer., ii, 221, 1887.

3529. **nimbicolor** HULST, Trans. Am. Ent. Soc., xxiii, 305, 1896. — Fla.

syn. *floridaria* HULST (not PACKARD), Ent. Amer., iii, 215, 1888; *floridata* HULST, Trans. Am. Ent. Soc., xxiii, 306, 1896.

3530. **ossularia** HÜBNER, Zutr. exot. Schmett., f. 909, 1837; HULST, Ent. Amer., ii, 221, 1887; Ent. News, vi, 73, 1895. — U. S.

syn. *ossulata* PACKARD, C. 329; *tomnaria* GUENÉE; PACKARD, C. 352; *sublataria* GUENÉE, Spec. Gén., ix, 474, 1857; PACKARD, C. 352; *magnifieraria* WALKER, Cat. Brit. Mus., xxiii, 784, 1861; PACKARD, C. 356; *fairilliera* WALKER, Cat. Brit. Mus., xxxv, 1624, 1866; PACKARD, C. 359; *violacearia* WALKER, Cat. Brit. Mus., xxiii, 786, 1861; PACKARD, C. 357; *repletaria* WALKER, Cat. Brit. Mus., xxxv, 1624, 1866; PACKARD, C. 359.

*3531. **granitaria** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 390, 1871; C. 330. — Cal.

3532. **lanceolata** HULST, Trans. Am. Ent. Soc., xxiii, 305, 1896. — N. Mex., Cal., Fla.

3533. **balistraria** GUENÉE, Spec. Gén., ix, 453, 1857; PACKARD, C. 351. — So. States, Col., Ariz.

syn. *perirrorata* PACKARD, Fifth Rept. Peab. Acad. Sci., 71, 1873; C. 331.

*3534. **rufescens** HULST. Trans. Am. Ent. Soc., xxiii, 305, 1896. — Atl. States.

*3535. **pallida** HULST. Trans. Am. Ent. Soc., xxiii, 306, 1896. — Tex.

3536. **eburneata** GUENÉE. Spec. Gén., ix. 474. 1857; WALKER. Cat. Brit. Mus., xxii. 731. 1861; HULST. Ent. News, vi. 73. 1895. — Fla.

syn. *tacturata* WALKER. Cat. Brit. Mus., xxii. 721. 1861; PACKARD. C. 353.

3537. **suavata** HULST. Jn. N. Y. Ent. Soc., viii. 217. 1901; DYAR. Psyche, ix. 106, 1900. — Fla.

3538. **lacteolata** LINTNER. Ent. Cont., iv. 112. 1878. — Fla.

3539. **obfusaria** WALKER. Cat. Brit. Mus., xxiii. 786, 1861; PACKARD, C. 357. — Atl. States.

syn. *punctofimbriata* PACKARD. Fifth Rept. Peab. Acad. Sci., 70. 1873; C. 333; HULST. Ent. News, vi, 71. 1895.

*3540. **crossii** HULST, Can. Ent., xxxii. 105. 1900. — Fla.

*3541. **volucrata** HULST. Ent. Amer., ii, 186. 1887. — Mo.

*3542. **quæsitata** HULST. Bull. Brook. Ent. Soc., iii. 45. 1880. — Col.

*3543. **micropterata** HULST, Jn. N. Y. Ent. Soc., viii, 217, 1901. — Fla.

*3544. **rotundopennata** PACKARD, C. 337. — No. Atl. States.

*3545. **persimilis** HULST, Can. Ent., xxx, 158, 1898. — No. U. S.

3546. **inductata** GUENÉE. Spec. Gén., ix. 494. 1857; PACKARD. C. 340; HULST. Ent. News. vi. 71. 1895; DYAR. Psyche. ix. 226. 1901. — Atl. States.

syn. *consecutaria* WALKER. Cat. Brit. Mus., xxxv, 1623. 1866; PACKARD. C. 358; *sobria* WALKER. Cat. Brit. Mus., xxxv, 1624, 1866; PACKARD. C. 359; (*suppressaria* WALKER. Cat. Brit. Mus., xxvi. 1594. 1862; HULST. Ent. News. vi. 105. 1895 (type lost).

*3547. **hanhamii** HULST, Can. Ent., xxx. 158, 1898. — Man.

*3548. **productata** PACKARD. C. 334, 1876. — Atl. States.

*3549. **australis** HULST. Trans. Am. Ent. Soc., xxiii. 306. 1896. — Fla.

3550. **sideraria** GUENÉE. Spec. Gén., ix. 450. 1857; PACKARD. C. 350; HULST. Ent. Amer., ii. 222. 1887; PACKARD. C. 341. — No. U. S.

syn. *californiaria* PACKARD. *californiata* PACKARD. *pacificaria* PACKARD.

*3550. 1. **refractaria** WALKER, Cat. Brit. Mus., xxiii, 785, 1861. — East Fla.

3551. **anticaria** WALKER, Cat. Brit. Mus., xxvi, 1593, 1862; HULST, Ent. News, vi, 72, 1895. — Atl. States.

syn. *subalbaria* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 28, 1873; C. 344.

*3551. 1. **basipunctaria** WALKER, Cat. Brit. Mus., xxiii, 785, 1861. — East Fla.

EMMILTIS Hübner.

HÜBNER, Verz. bek. Schmett., 309, 1818; MEYRICK, Trans. Ent. Soc. Lond., 86, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 306, 1896; *Anthometria* BOISDUVAL, Ind. Méth., 231, 1840; v. GUMPPENBERG, Nov. Act. Halle, xlix, 392, 1887.

3552. **sparsaria** WALKER, Cat. Brit. Mus., xxvi, 1596, 1862; HULST, Ent. News, vi, 42, 1895. — Tex., Fla.

syn. *psilogrammaria* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 490, 1872; PACKARD, C. 430.

PENTOPODA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 307, 1896.

*3553. **miranda** HULST, Trans. Am. Ent. Soc., xxiii, 307, 1896. — Tex.

SIGELA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 308, 1896.

3554. **penumbrata** HULST, Trans. Am. Ent. Soc., xxiii, 308, 1896. — Fla., Cal.

LOPHOSIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 308, 1896.

*3555. **labeculata** HULST, Ent. Amer., ii, 187, 1887. — Col., Ariz.

GONIACIDALIA Packard.

PACKARD, Fifth Rept. Peab. Acad. Sci., 68, 1873; C. 312; HULST, Trans. Am. Ent. Soc., xxiii, 308, 1896.

3556. **furciferata** PACKARD, Fifth Rept. Peab. Acad. Sci., 68, 1873; C. 312. — Tex.

Subfamily GEOMETRINÆ.

ANNEMORIA Packard.

PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 30, 1874; C. 375; HULST, Trans. Am. Ent. Soc., xxiii, 312, 1896.

3557. **bistriaria** PACKARD, C. 378; HULST, Ent. Amer., ii, 140, 1886; iii, 193, 1888. — Rocky Mts.

syn. *undinaria* STRECKER, Surv. Dept. Mo., Ruffner, app., 1862, 1878.

3558. **faseolaria** GUENÉE, Spec. Gén., ix, 351, 1857; WALKER, Cat. Brit. Mus., xxii, 534, 1861. — Cal.

syn. *fasceolaria* PACKARD, C. 375; *fasciolaria* HULST, Ent. Amer., ii, 141, 1886; *perviridaria* PACKARD, C. 379.

*3559. **græfiaria** HULST, Ent. Amer., ii, 123, 1886. — Nev., Cal.

3560. **unitaria** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 30, 1874; C. 376. — Nev.

CHLOROCHLAMYS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 312, 1896.

3561. **chloroleucaria** GUENÉE, Spec. Gén., ix, 351, 1857; PACKARD, C. 370; GOODELL, Can. Ent., xii, 235, 1880; HULST, Bull. Brook. Ent. Soc., ii, 78, 1879; Ent. News, vi, 71, 1895. — Atl. States, Cal.

syn. *indiscriminaria* WALKER, Cat. Brit. Mus., xxvi, 1556, 1862; PACKARD, C. 375; *densaria* WALKER, Cat. Brit. Mus., xxv, 1557, 1862; PACKARD, C. 375; *deprivata* WALKER, Cat. Brit. Mus., xxvi, 1559, 1862; PACKARD, C. 396.

3562. **phyllinaria** ZELLER, Verh. zool.-bot. Ges. Wien, 479, 1872; HULST, Ent. Amer., ii, 141, 1886; Ent. News, vi, 71, 1895. — Rocky Mts., Cal.

syn. *zelleraria* PACKARD, C. 370.

NEMORIA Hübner.

HÜBNER, Verz. bek. Schmett., 285, 1818; PACKARD, C. 372; MEYRICK, Trans. Ent. Soc. Lond., 93, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 312, 1896; *Chlorissa* STEPHENS, West. & Hump., Brit. Moths, ii, 78, 1849.

3563. **pistaceata** GUENÉE, Spec. Gén., ix, 348, 1857; PACKARD, C. 374; HULST, Ent. News, vi, 71, 1895. — Atl. States.

syn. *superata* WALKER, Cat. Brit. Mus., xxxv, 1612, 1866; PACKARD, C. 396.

3564. **subcroceata** WALKER, Cat. Brit. Mus., xxv, 1557, 1862; PACKARD, C. 372; DYAR, Psyche, viii, 386, 1899. — Atl. States.

3565. **dyarii** HULST, Can. Ent., xxxii, 105, 1900. — Atl. States.

*3566. **auranticolorata** STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899. — Fla.

*3567. **euchloraria** GUENÉE, Spec. Gén., ix, 355, 1857; PACKARD, C. 396. — Atl. States.

EUCROSTIS Hübner.

Hübner, Verz. bek. Schmett., 283, 1818; Packard, C. 369; Meyrick, Trans. Ent. Soc. Lond., 94, 1892; Hulst, Trans. Am. Ent. Soc., xxiii, 313, 1896.

3568. **incertata** Walker, Cat. Brit. Mus., xxv, 1557, 1862; Packard, C. 372; Hulst, Ent. News, vi, 71, 1895. — Atl. States.

syn. *oporaria* Zeller, Verh. zool.-bot. Ges. Wien, 481, 1872; *gratata* Packard, C., pl. 10, f. 79, 1876.

3569. **viridipennata** Hulst, Trans. Am. Ent. Soc., xxiii, 314, 1896; Dyar, Psyche, ix, 287, 1901. — Col., Cal.

CHLOROPTERYX Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 314, 1896.

*3570. **tepperaria** Hulst, Ent. Amer., ii, 122, 1886. — So. States.

RACHEOSPILA Guenée.

Guenée, Spec. Gén., ix, 372, 1857; Packard, C. 384; Hulst, Trans. Am. Ent. Soc., xxiii, 314, 1896.

3571. **lixaria** Guenée, Spec. Gén., ix, 374, 1857; Packard, C. 384; Hulst, Ent. News, vi, 71, 1895. — Atl. States.

syn. *inclusaria* Walker, Cat. Brit. Mus., xxii, 508, 1861; Hulst, Ent. News, vi, 105, 1895; Packard, C. 395; *congruata* Walker, Cat. Brit. Mus., xxii, 511, 1861; *extremaria* Walker, Cat. Brit. Mus., xxii, 584, 1861; *rubrolineata* Packard, Fifth Rept. Peab. Acad. Sci., 74, 1873; C. 390; *cupidenaria* Grote, Can. Ent., xii, 218, 1880.

*3572. **jaspidiaria** Hulst, Ent. Amer., ii, 122, 1886. — Fla.

*3573. **hollandaria** Hulst, Ent. Amer., ii, 122, 1886. — Fla.

*3574. **viridipurpurea** Hulst, Can. Ent., xxx, 159, 1898. — Fla.

3575. **saltusaria** Hulst, Ent. Amer., ii, 122, 1886; Dyar, Psyche, ix, 118, 1900. — Fla.

SYNCHLORA Guenée.

Guenée, Spec. Gén., ix, 375, 1857; Packard, C. 379; Hulst, Trans. Am. Ent. Soc., xxiii, 314, 1896; *Eunemoria* Packard, Fifth Rept. Peab. Acad. Sci., 76, 1873.

3576. **hulstiana** Dyar, Proc. Ent. Soc. Wash., iv, 457, 1901. — Fla.

3577. **louisa** HULST, Can. Ent., xxx, 159, 1898. — Fla.

3578. **ærata** FABRICIUS, Syst. Ent., suppl., 238, 1798; HULST, Ent. News, vi, 71, 1895; AURIVILLIUS, Tidsk. Ent., xviii, 166, 1898. — Atl. States.

syn. *glaucaria* GUENÉE, Spec. Gén., ix, 377, 1857; PACKARD, C. 392; HULST, Ent. Amer., ii, 141, 1886; DYAR, Psyche, ix, 93, 1900; *mimicata* WALKER, Cat. Brit. Mus., xxxv, 1600, 1866; PACKARD, C. 395; *rubivora* RILEY, First Rept. Ins. Mo., 139, 1869; *rubivoraria* PACKARD, C. 382; SAUNDERS, Ins. Inj. Fruits, 316, 1883; FRENCH, Trans. Dept. Agr. Ill., xv, 238, 1877; *albolineata* PACKARD, Fifth Rept. Peab. Acad. Sci., 75, 1873; *gracillaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 77, 1873.

*3579. **viridipallens** HULST, Trans. Am. Ent. Soc., xxiii, 315, 1896. — Col., Ariz.

3580. **denticulata** WALKER, Cat. Brit. Mus., xxii, 536, 1861; HULST, Ent. News, vi, 71, 1895. — U. S.

syn. *excurvaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 76, 1873; C. 381; DYAR, Ent. News, v, 62, 1894.

3581. **liquoraria** GUENÉE, Spec. Gén., ix, 375, 1857; PACKARD, C. 383; HULST, Ent. Amer., ii, 141, 1886; Ent. News, vi, 71, 1895. — U. S.

syn. *tricoloraria* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 30, 1874; C. 381.

*3582. **texana** HULST, Can. Ent., xxx, 160, 1898. — Tex.

3583. **rubrifrontaria** PACKARD, Fifth Rept. Peab. Acad. Sci., 75, 1873; C. 383. — Atl. States.

3584. **xysteraria** HULST, Ent. Amer., ii, 121, 1886. — Fla.

3585. **dominicaria** GUENÉE, Spec. Gén., ix, 367, 1857; WALKER, Cat. Brit. Mus., xxii, 566, 1861; HULST, Ent. News, vi, 71, 1895. — Fla.

CHLOROSEA Packard.

PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 30, 1874; C. 376; HULST, Trans. Am. Ent. Soc., xxiii, 315, 1896.

*3586. **nevadaria** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 31, 1874; C. 378. — Rocky Mts., Pac. States.

APLODES Guenée.

GUENÉE, Spec. Gén., ix, 376, 1857; PACKARD, C. 385; HULST, Trans. Am. Ent. Soc., xxiii, 315, 1896; *Hipparchiscus* WALSH, Proc. Bost. Soc. Nat. Hist., ix, 300, 1864.

3587. **mimosaria** GUENÉE, Spec. Gén., ix, 377, 1857; PACKARD, C. 388; HULST, Ent. News, vi, 71, 1895; Ent. Amer., ii, 139, 1886; DYAR, Psyche, viii, 310, 1899. — Atl. States.

syn. *tractaria* WALKER, Cat. Brit. Mus., xxii, 540, 1861; *venusta* WALSH, Proc. Bost. Soc. Nat. Hist., ix, 301, 1864; *approximaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 73, 1873; C. 391; Bull. U. S. Ent. Comm., vii, 49, 1881; *lataria* PACKARD, Fifth Rept. Peab. Acad. Sci., 74, 1873; C. 391; *coniferaria* PACKARD, Am. Nat., xviii, 933, 1884.

*3588. **catachloa** HULST, Can. Ent., xxx, 160, 1898. — Fla.

3589. **rubrifrontaria** PACKARD, Fifth Rept. Peab. Acad. Sci., 76, 1873; C. 386. — Atl. States, Brit. Col.

syn. *packardaria* GROTE, New Check List, 46, 1882.

3590. **bistriaria** HÜBNER, Zutr. exot. Schmett., f. 103, 1818; PACKARD, C. 564; HULST, Ent. News, vi, 71, 1895. — Atl. States.

syn. *bifilata* WALKER, Cat. Brit. Mus., xxvi, 1585, 1862; *brunnearia* PACKARD, C. 388.

ANAPLODES Packard.

PACKARD, C. 392; HULST, Trans. Am. Ent. Soc., xxiii, 316, 1896.

3591. **zygotaria** HULST, Ent. Amer., ii, 121, 1886. — Tex.

3592. **viridicaria** HULST, Bull. Brook. Ent. Soc., iii, 41, 1880; Ent. Amer., ii, 140, 1886. — Col., Ariz.

a. **albaria** GROTE, Can. Ent., xv, 126, 1883.

*3593. **obliqua** HULST, Can. Ent., xxx, 161, 1898. — Col.

syn. *billonaria* STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899.

*3594. **rubromarginaria** PACKARD, C. 389; HULST, Ent. News, vi, 71, 1895. — Atl. States.

3595. **arizonaria** GROTE, Can. Ent., xv, 125, 1883. — Cal., Ariz.

syn. *festaria* HULST, Ent. Amer., ii, 121, 1886.

3596. **pistacearia** PACKARD, C. 392, 1876. — Rocky Mts.

*3597. **junctolinearia** GRAEF, Bull. Brook. Ent. Soc., iii, 87, 1881; HULST, Ent. Amer., ii, 140, 1886. — Rocky Mts.

3598. **remotaria** WALKER, Cat. Brit. Mus., xxii, 530, 1861; HULST, Ent. News, vi, 71, 1895. — Atl. States.

a. **consequaria** HY. EDWARDS, Pap., iv, 19, 1884.

3599. **iridaria** GUENÉE, Spec. Gén., ix, 344, 1857; PACKARD, C. 394; HULST, Ent. News, vi, 71, 1895. — Rocky Mts., Cal.

syn. *rectaria* GROTE, Can. Ent., ix, 157, 1877; HULST, Ent. News, vi, 71, 1895.

3600. **illustraria** HULST, Ent. Amer., ii, 121, 1886. — Cal.

syn. *iridaria* PACKARD (not GUENÉE), C. pl. 10, f. 93, 1876.

Subfamily FERNALDELLINÆ.

FERNALDELLA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 318, 1896.

3601. **fimetaria** GROTE & ROBINSON, Trans. Am. Ent. Soc., iii, 182, 1870; GROTE, Bull. Buff. Soc., i, 88, 1873; PACKARD, C. 228; HULST, Ent. Amer., iii, 9, 1887. — Rocky Mts.

syn. *halesaria* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 488, 1872; xxv, 125, 1875.

a. **partitaria** GROTE, Can. Ent., xv, 130, 1883.

3602. **stalachtaria** STRECKER, Surv. Dept. Mo., Ruffner, suppl., 1863, 1878; HULST, Ent. Amer., iii, 9, 1887. — Rocky Mts.

a. **alternaria** GROTE, Can. Ent., xv, 27, 1883.

Subfamily ENNOMINÆ.

EPELIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 324, 1896.

3603. **truncataria** WALKER, Cat. Brit. Mus., xxv, 1034, 1862; PACKARD, C. 230; v. GUMPPENBERG, Nov. Act. Halle, xlix, 388, 1894; HULST, Ent. News, vi, 12, 1895; DYAR, Psyche, ix, 298, 1902. — Atl. States, Col.

syn. *faxonii* MINOT, Proc. Bost. Soc. Nat. Hist., xi, 83, 1869; PACKARD, C. 232.

EUFIDONIA Packard.

PACKARD, C. 225; HULST, Trans. Am. Ent. Soc., xxiii, 324, 1896; v. GUMPPENBERG, Nov. Act. Halle, xlix, 397, 1887.

3604. **notataria** WALKER, Cat. Brit. Mus., xxi, 407, 1860; PACKARD, C. 226; GOODELL, Can. Ent., xiv, 199, 1882; HULST, Ent. News, vi, 12, 1895. — Atl. States.

syn. *discospilata* WALKER, Cat. Brit. Mus., xxiv, 1034, 1862.

a. **fidoniata** WALKER, Cat. Brit. Mus., xxiv, 1183, 1862; v. GUMPPENBERG, Nov. Act. Halle, xlix, 398, 1887.

syn. *bicolorata* MINOT, Proc. Bost. Soc. Nat. Hist., xi, 83, 1869; *quadripunctaria* MORRISON, Proc. Bost. Soc. Nat. Hist., xvi, 199, 1874.

ORTHOFIDONIA Packard.

PACKARD, C. 235; HULST, Trans. Am. Ent. Soc., xxiii, 324, 1896.

3605. **exornata** WALKER, Cat. Brit. Mus., xxiv, 1187, 1862; PACKARD, C. 236; v. GUMPPENBERG, Nov. Act. Halle, xlix, 400, 1887; HULST, Ent. News, vi, 42, 1895. — Atl. States.

syn. *albifusata* WALKER, Cat. Brit. Mus., xxvi, 1728, 1862.

3606. **semiclarata** WALKER, Cat. Brit. Mus., xxxv, 1653, 1866; PACKARD, C. 302; HULST, Ent. News, v, 304, 1894. — Atl. States.

syn. *viatica* HARVEY, Buff. Bull. Soc., i, 265, 1874.

3608. **vestaliata** GUENÉE, Spec. Gén., x, 59, 1857; PACKARD, C. 301. — Atl. States, Col.

syn. *junctaria* WALKER, Can. Nat., vi, 39, 1861; Cat. Brit. Mus., xxvi, 1593, 1862; GROTE, Can. Ent., ix, 27, 1877.

*3609. **elsinora** HULST, Jn. N. Y. Ent. Soc., viii, 218, 1900. — Cal.

DASYFIDONIA Packard.

PACKARD, C. 233; HULST, Trans. Am. Ent. Soc., xxiii, 23, 325, 1896.

3610. **avuncularia** GUENÉE, Spec. Gén., x, 145, 1857; PACKARD, C. 234; v. GUMPPENBERG, Nov. Act. Halle, xlix, 386, 1887. — Col. to Cal.

HELIOMATA Grote.

GROTE, Proc. Ent. Soc. Phil., vi, 29, 1866; PACKARD, C. 190; v. GUMPPENBERG, Nov. Act. Halle, xlix, 368, 1887; HULST, Trans. Am. Ent. Soc., xxiii, 325, 1896.

3611. **infulata** GROTE, Proc. Ent. Soc. Phil., ii, 67, 1863; PACKARD, C. 191. — Atl. States.

*3612. **elaborata** GROTE, Proc. Ent. Soc. Phil., ii, 67, 1863; PACKARD, C. 191. — Va.

3613. **cycladata** GROTE, Proc. Ent. Soc. Phil., vi, 30, 1866; PACKARD, C. 192; DYAR, Psyche, ix, 177, 1901. — Atl. States, Mont.

MELLILLA Grote.

GROTE, Bull. Buff. Soc., i, 12, 1873; HULST, Trans. Am. Ent. Soc., xxiii, 325, 1896.

3614. **inextricata** WALKER, Cat. Brit. Mus., xxiv, 1038, 1862; PACKARD, C. 295; HULST, Ent. News, v, 304, 1894. — Atl. States.

a. **xanthometata** WALKER, Cat. Brit. Mus., xxiv, 1038, 1862.

syn. *snoviaria* PACKARD, C. 222.

3615. **chamæchrysaria** GROTE, Bull. Buff. Soc., i, 13, 1873; Can. Ent., x, 152, 1878. — Atl. States.
syn. *riferaria* PACKARD, C. 221.

CHLORASPILATES Packard.

PACKARD, C. 211; HULST, Trans. Am. Ent. Soc., xxiii, 326, 1896.

3616. **bicoloraria** PACKARD, C. 212; GROTE, Can. Ent., xiv, 109, 1882. — Rocky Mts.
a. **arizonaria** GROTE, Pap., ii, 80, 1882.

3617. **profugaria** HERRICH-SCHAEFFER, Ausser. Schmett., 66, f. 410, 1855; PACKARD, C. 212. — No. Am.

PSYSOSTEGANIA Warren.

WARREN, Nov. Zool., i, 406, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 326, 1896.

3618. **pustularia** GUENÉE, Spec. Gén., x, 49, 1857; PACKARD, C. 310; U. S. Ent. Comm., vii, 112, 1881; SAUNDERS, Can. Ent., iii, 225, 1871; HULST, Ent. News, v, 304, 1894. — Atl. States.

GUENERIA Packard.

PACKARD, C. 307; HULST, Trans. Am. Ent. Soc., xxiii, 326, 1896.

3619. **basiaria** WALKER, Cat. Brit. Mus., xxvi, 1508, 1862; HULST, Ent. News, v, 304, 1896. — Atl. States.
syn. *basiata* PACKARD, C. 308; *incoloraria* WALKER, Cat. Brit. Mus., xxvi, 1509, 1862; PACKARD, C. 498; *congrua* WALKER, Cat. Brit. Mus., xxxv, 1623, 1866; PACKARD, C. 358.

DEILINIA Hübner.

HÜBNER, Verz. bek. Schmett., 310, 1818; PACKARD, C. 305; MEYRICK, Trans. Ent. Soc. Lond., 108, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 327, 1896; *Sphecodes* HÜBNER (not LATREILLE), Tentamen, 1806; *Cabera* TREITSCHKE, Schmett. Eur., vi, 1, 343, 1827; STEPHENS, Brit. Ins., 44, 1829; DUPONCHEL, Lép. Fr., viii, (v), 5, 1830; LEDERER, Verh. zool.-bot. Ges. Wien, 200, 1853; GUENÉE, Spec. Gén., x, 52, 1857.

*3620. **borealis** HULST, Trans. Am. Ent. Soc., xxiii, 327, 1896. — Alberta.

*3621. **elimaria** HULST, Ent. Amer., ii, 186, 1882. — Col., Man.

*3622. **quadrifasciaria** PACKARD, Fifth Rept. Peab. Acad. Sci., 62, 1873; C. 205. — Rocky Mts.

3623. **variolaria** GUENÉE, Spec. Gén., x, 56, 1857; PACKARD, C. 306; HULST, Ent. News, v, 304, 1894. — Atl. States.
syn. *intentata* WALKER, Cat. Brit. Mus., xxiii, 870, 1861; PACKARD, C. 306.

3624. **erythremaria** GUENÉE, Spec. Gén., x, 56, 1857; PACKARD, C. 306. — Atl. States.

3625. **exanthemata** SCOPOLI, Ent. Car., 218, 552, 1763; STAUDINGER, Cat. Lep. Eur., 155, 1871. — Can., Eur.

syn. *exanthemaria* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien., 107, 5, 1776; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3714, 1901; HULST, Trans. Am. Ent. Soc., xxiii, 327, 1896; *striaria* HÜBNER, *arenosaria* HAWORTH, *approximaria* HAWORTH.

*3626. **pacificaria** PACKARD, C. 307, 1876. — Brit. Col.

*3627. **nevadaria** HULST, Ent. Amer., iii, 217, 1888. — Nev., Cal.

3628. **fœminaria** GUENÉE, Spec. Gén., x, 149, 1857; WALKER, Cat. Brit. Mus., xxiv, 1029, 1862; HULST, Ent. News, vi, 104, 1896. — Col., Cal.

syn. *celataria* HULST, Ent. Amer., iii, 216, 1888; *?monicaria* GUENÉE, Spec. Gén., x, 100, 1857 (type lost).

3629. **falcataria** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 32, 1874; C. 423. — Pac. States.

3630. **carnearia** HULST, Ent. Amer., iii, 216, 1888. — Cal.

3631. **bifilata** HULST, Bull. Brook. Ent. Soc., iii, 44, 1880. — Rocky Mts.

3632. **perpallidaria** GROTE, Can. Ent., xiv, 185, 1882; Can. Ent., xv, 25, 1883. — Col., Cal., Brit. Col.

3633. **litaria** HULST, Ent. Amer., ii, 211, 1887. — Rocky Mts., Cal.

3634. **pulveraria** HULST, Can. Ent., xxx, 161, 1898. — Brit. Col.

3635. **quadraria** GROTE, Can. Ent., xiv, 185, 1882. — Cal., Col., Nev.

3636. **liberaria** WALKER, Cat. Brit. Mus., xx, 239, 1860; HULST, Ent. Amer., iii, 10, 1887; Ent. News, vi, 15, 1895; PACKARD, C. 297. — Atl. States.

syn. *integraria* WALKER, Cat. Brit. Mus., xxiii, 889, 1861; *?intneraria* PACKARD, Sixth Rept. Peab. Acad. Sci., 44, 1874; C. 209; GOODELL, Can. Ent., x, 40, 1878.

3637. **nigroseriata** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 40, 1878; C. 246. — No. U. S.

3638. **behrensaria** HULST, Ent. Amer., ii, 210, 1887; Ent. News, vi, 15, 1895. — Rocky Mts., Pac. States.

syn. *?unicalcaria* GUENÉE, Spec. Gén., x, 100, 1857; PACKARD, C. 275.

a. **cervinicolor** HULST, Can. Ent., xxx, 161, 1898.

3639. **fumosa** HULST, Trans. Am. Ent. Soc., xxiii, 328, 1896. — Col., Cal.

*3640. **solamata** HULST, Jn. N. Y. Ent. Soc., viii, 217, 1901. — Man.

EPISEMASIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 328, 1896.

*3641. **morbosa** HULST, Trans. Am. Ent. Soc., xxiii, 328, 1896. — Fla.

3642. **cervinaria** PACKARD, Fifth Rept. Peab. Acad. Sci., 81, 1873; C. 532. — Tex.

SCIAGRAPHIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 329, 1896.

3643. **sublacteolaria** HULST, Ent. Amer., ii, 189, 1887. — Miss. Vall.

*3644. **colorata** GROTE, Can. Ent., xv, 7, 1883. — Ariz., N. Mex.

3645. **maculifascia** HULST, Trans. Am. Ent. Soc., xxiii, 329, 1876. — Miss. Vall.

*3646. **flavivenata** HULST, Can. Ent., xxx, 163, 1898. — No. Atl. States.

3647. **granitata** GUENÉE, Spec. Gén., x, 85, 1857; PACKARD, C. 285; HULST, Ent. News, v, 304, 1894; DYAR, Ent. News, v, 63, 1894. — Atl. States.

syn. *contemptata* GUENÉE, Spec. Gén., x, 86, 1857; PACKARD, C. 294; *haliata* GUENÉE, Spec. Gén., x, 97, 1857; PACKARD, C. 356; *dispuncta* WALKER, Cat. Brit. Mus., xxi, 405, 1861; PACKARD, Rept. Geol. Surv. Terr., v, 553, 1875; *inordinaria* WALKER, Cat. Brit. Mus., xxi, 488, 1860; GROTE, Can. Ent., ix, 27, 1877; *retractaria* WALKER, Cat. Brit. Mus., xxiii, 785, 1861; PACKARD, C. 356; *submarmorata* WALKER, Cat. Brit. Mus., xxiii, 887, 1861; *exanspicata* WALKER, Cat. Brit. Mus., xxiii, 889, 1861; *irregulata* WALKER, Cat. Brit. Mus., xxiii, 890, 1861; *ordinata* WALKER, Cat. Brit. Mus., xxiv, 1038, 1862; *exnotata* WALKER, Cat. Brit. Mus., xxiv, 1186, 1862; *abruptata* WALKER, Cat. Brit. Mus., xxv, 1326, 1862; PACKARD, Fifth Rept. Peab. Acad. Sci., 88, 1873; *fissinotata* WALKER, Cat. Brit. Mus., xxvi, 1595, 1862; *subapicaria* WALKER, Can. Nat., vi, 40, 1861; Cat. Brit. Mus., xxvi, 1641, 1862; *retinotata* WALKER, Cat. Brit. Mus., xxvi, 1642, 1862; *quadrisignata* WALKER, Cat. Brit. Mus., xxxv, 1665, 1866; *sexmaculata* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 44, 1867; *succosata* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 485, 1872; *animodaria* MORRISON, Proc. Bost. Soc. Nat. Hist., xvi, 196, 1874.

3648. **denticulata** GROTE, Can. Ent., xv, 133, 1883; HULST, Ent. Amer., ii, 223, 1887. — Rocky Mts.

syn. *sexpunctata* BATES, Can. Ent., xviii, 75, 1886.

3649. **muscariata** GUENÉE, Spec. Gén., x, 98, 1857; PACKARD, C. 274; HULST, Ent. News, vi, 104, 1895. — Col., Nev., Cal.

syn. *delectata* HULST, Ent. Amer., ii, 190, 1887.

3650. **punctolineata** PACKARD, Fifth Rept. Peab. Acad. Sci., 64, 1873; C. 284. — Rocky Mts.

3651. **heliothidata** GUENÉE, Spec. Gén., x, 79, 1857; WALKER, Cat. Brit. Mus., xxiii, 891, 1861; HULST, Ent. News, v, 305, 1894; DYAR, Psyche, ix, 203, 1901.

syn. *ocellinata* GUENÉE, Spec. Gén., x, 85, 1857; ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 486, 1872; PACKARD, C. 283; *restorata* WALKER, Cat. Brit. Mus., xxii, 726, 1861; *subcolumbata* WALKER, Cat. Brit. Mus., xxvi, 1676, 1862; *duplicata* PACKARD, Fifth Rept. Peab. Acad. Sci., 65, 1873.

3652. **californiaria** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 392, 1871; xvi, 27, 1874; Rept. Geol. Surv. Terr., v, 553, 1873. — Pac. States, Rocky Mts.

syn. *californiata* PACKARD, C. 281; GROTE, Can. Ent., xv, 8, 1883; *pallidata* PACKARD, Fifth Rept. Peab. Acad. Sci., 64, 1873.

3653. **respersata** HULST, Bull. Brook. Ent. Soc., iii, 42, 1880. — Rocky Mts., B. C.

*3654. **nubiculata** PACKARD, C. 267; HULST, Ent. Amer., ii, 224, 1886. — Cal., Wyo., Ariz.

syn. *colata* GROTE, Pap., i, 167, 1881.

3655. **irrorata** PACKARD, C. 273; BUTLER, Pap., i, 222, 1882; DYAR, Ent. News, v, 63, 1894. — Col., Ariz., Cal.

3656. **neptaria** GUENÉE, Spec. Gén., x, 99, 1857; WALKER, Cat. Brit. Mus., xxiii, 957, 1861.

syn. *neptata* PACKARD, C. 273; GROTE, Can. Ent., xv, 8, 1883; HULST, Ent. Amer., ii, 223, 1887; *flavofasciata* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 394, 1871; *cinereata* BATES, Can. Ent., xviii, 75, 1886.

*3657. **hebitata** HULST, Bull. Brook. Ent. Soc., iv, 34, 1881. — Col., Ariz., Wash.

3658. **sinuata** PACKARD, Sixth Rept. Peab. Acad. Sci., 45, 1874; C. 271. — Pac. States, Col.

3659. **snoviata** PACKARD, C. 268.
syn. *subminiata* PACKARD (not PACKARD), Sixth Rept. Peab. Acad. Sci., 49, 1874. — Pa., Kans.

3660. **pervolata** HULST, Bull. Brook. Ent. Soc., iii, 42, 1880. — Col., Ariz.

3661. **meadiaria** PACKARD, Sixth Rept. Peab. Acad. Sci., 47, 1874. — Col., Ariz.
syn. *meadiata* PACKARD, C. 269.

3662. **continuata** WALKER, Cat. Brit. Mus., xxv, 1445, 1862; HULST, Ent. Amer., iii, 114, 1887; Ent. News, vi, 12, 1895. — Atl. and Pac. States.
syn. *orillata* WALKER, Cat. Brit. Mus., xxvi, 1740, 1862; PACKARD, C. 265; *strigularia* WALKER, Cat. Brit. Mus., xxvi, 1675, 1862; PACKARD, C. 211; *excurrata* PACKARD, Sixth Rept. Peab. Acad. Sci., 47, 1874; *currata* GROTE, Bull. Brook. Ent. Soc., iii, 47, 1880; *cruciata* GROTE, Trans. Kans. Acad. Sci., viii, 56, 1883; Ann. Mag. Nat. Hist., (5), xi, 55, 1883.
a. **atrofasciata** PACKARD, C. 264.

3663. **spodopterata** HULST, Can. Ent., xxx, 162, 1898. — Cal., Col.

3664. **mellistrigata** GROTE, Bull. Buff. Soc., i, 12, 1873; HULST, Ent. Amer., ii, 224, 1887; PACKARD, C. 269. — No. U. S.
a. **trifasciata** PACKARD, Sixth Rept. Peab. Acad. Sci., 46, 1874; C. 270.

3665. **subminiata** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 25, 1874; C. 272. — Mont., Cal.

PHILOBIA Duponchel.

DUPONCHEL, Hist. Nat., vii, 195, 1829; HULST, Trans. Am. Ent. Soc., xxiii, 330, 1896.

3666. **notata** LINNÆUS, Syst. Nat., 523, 1758; HULST, Trans. Am. Ent. Soc., xxiii, 330, 1896; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3782, 1901. — Atl. States, Eur.
syn. *notaria* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, v, 104, 1776.

3667. **enotata** GUENÉE, Spec. Gén., x, 69, 1857; PACKARD, C. 288; HULST, Ent. News, v, 305, 1894; Trans. Am. Ent. Soc., xxiii, 330, 1896. — U. S.
syn. *æmulataria* WALKER, Cat. Brit. Mus., xxiii, 884, 1861; ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 487, 1872; *sectomaculata* MORRISON, Proc. Bost. Soc. Nat. Hist., xvi, 198, 1874; *notata* CRAMER (not LINNÆUS), Pap. Exot., iv, pl. 371, f. F., 1782.

MACARIA Curtis.

Curtis, Brit. Ent., vi, 132, 1826; Packard, C. 279; Hofmann, Gr. Schm. Eur., 175, 1894; Hulst, Trans. Am. Ent. Soc., xxiii, 330, 1896.

3668. **infimata** Guenée, Spec. Gén., x, 81, 1857; Walker, Cat. Brit. Mus., xxiii, 907, 1861; Hulst, Ent. News, v, 305, 1894. — Atl. States.

syn. *gnophosaria* Guenée, Spec. Gén., x, 99, 1857; Packard, C. 275; *infectata* Walker, Cat. Brit. Mus., xxv, 1332, 1862; *seductata* Walker, Cat. Brit. Mus., xxvi, 1654, 1862; *cæsiaria* Hulst, Ent. Amer., iii, 217, 1887.

3669. **s-signata** Packard, Fifth Rept. Peab. Acad. Sci., 63, 1873; C. 280; Grote, Can. Ent., xv, 7, 127, 1883. — Rocky Mts., Cal.

3670. **pictipennata** Hulst, Can. Ent., xxx, 162, 1898. — Col., Ariz.

*3671. **labradoriata** Möschler, Stett. ent. Zeit., 118, 1883. — Lab.

*3672. **sabularia** Guenée, Spec. Gén., x, 105, 1857; Packard, C. 276; Hulst, Ent. News, vi, 105, 1896 (type lost). — No. Am.

3673. **eremiata** Guenée, Spec. Gén., x, 109, 1857; Packard, C. 278; Hulst, Ent. News, vi, 12, 105, 1895. — Atl. States.

syn. *retectata* Walker, Cat. Brit. Mus., xxiii, 959, 1861; *gradata* Walker, Cat. Brit. Mus., xxiii, 968, 1861; *retentata* Walker, Cat. Brit. Mus., xxiii, 968, 1861; *subcinctaria* Walker, Cat. Brit. Mus., xxvi, 1655, 1862.

3674. **hypæthrata** Grote, Pap., i, 167, 1881. — Rocky Mts.

3675. **æquiferaria** Walker, Cat. Brit. Mus., xxiii, 886, 1861; Packard, C. 295; Hulst, Ent. Amer., iii, 114, 1888; Ent. News, v, 305, 1894. — Atl. States, Ariz.

syn. *postrema* Walker, Cat. Brit. Mus., xxiii, 887, 1861; Packard, C. 295; *morosaria* Walker, Cat. Brit. Mus., xxiii, 942, 1861; *galbiniata* Zeller, Verh. zool.-bot. Ges. Wien, xxii, 484, 1872; Packard, C. 290.

3676. **minorata** Packard, Fifth Rept. Peab. Acad. Sci., 66, 1873; C. 291. — Atl. States.

3677. **grassata** Hulst, Bull. Brook. Ent. Soc., iv, 33, 1881; Ent. Amer., ii, 223, 1887. — Atl. States.

*3678. **præatomata** Haworth, Lep. Brit., 345, 1810; Packard, C. 291; Hulst, Ent. Amer., ii, 223, 1887. — Atl. States.

syn. *consepta* Walker, Cat. Brit. Mus., xxiii, 941, 1861.

a. **bisignata** WALKER, Cat. Brit. Mus., xxxv, 1655, 1866; PACKARD, C. 290.

syn. *consimilata* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 483, 1872.

*3679. **quadrisignata** WALKER, Cat. Brit. Mus., xxxv, 1655, 1866. — No. Am.

3680. **simulata** HULST, Ent. Amer., ii, 188, 1887. — Tex., Ariz.

syn. *similata* HULST, Trans. Am. Ent. Soc., xxiii, 331, 1896.

3681. **mendicata** HULST, Ent. Amer., ii, 189, 1887. — N. Mex., Ariz.

3682. **septemfluaria** GROTE, Pap., i, 41, 1881; HULST, Ent. Amer., ii, 223, 1887; Ent. News, v, 304, 1894. — Atl. States.

syn. *?quadrinotata* HERRICH-SCHAEFFER, Auss. Schmett., f. 347, 1855; *septemlinearia* GROTE.

3683. **glomeraria** GROTE, Pap., i, 41, 1881; Can. Ent., xiii, 139, 1881; Pap., ii, 84, 1882; HULST, Ent. News, v, 304, 1894. — Atl. States.

*3684. **teucaria** STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899. — Wash.

*3685. **ancillaria** STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899. — Fla.

*3686. **lapitaria** STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899. — Tex., Mex.

*3687. **ægaria** STRECKER, Lep. Rhop. Het., suppl. 2, 9, 1899. — Col.

*3687. 1. **dispuncta** WALKER, Cat. Brit. Mus., xxi, 405, 1860. — Can.

CYMATOPHORA Hübner.

HÜBNER, Tent., 1810; PACKARD, C. 427; HARVEY, Bull. Buff. Soc., i, 276, 1873; *Diastictis* HÜBNER, Verz. bek. Schmett., 288, 1818; MEYRICK, Trans. Ent. Soc. Lond., 103, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 331, 1896; *Itama* HÜBNER, Verz. bek. Schmett., 299, 1818; *Rhyparia* HÜBNER, Verz. bek. Schmett., 305, 1818; *Dryocetis* HÜBNER, Verz. bek. Schmett., 316, 1818; *Speranza* CURTIS, Brit. Ent., v, 222, 1825; *Grammatophora* STEPHENS, Cat., 126, 1829; *Halia* DUPONCHEL, Hist. Nat., vii, 537, 1829; GUENÉE, Spec. Gén., x, 91, 1857; HOFMANN, Gr. Schm. Eur., 188, 1894; *Thammonoma* LEDERER, Verh. zool.-bot. Ges. Wien, 233, 1853; PACKARD, C. 249; *Tephrina* GUENÉE, Spec. Gén., x, 96, 1857; *Eumacaria* PACKARD, Fifth Rept. Peab. Acad. Sci., 67, 1874; C. 298; *Eufitchia* PACKARD, C. 247; *Catastictis* v. GUMPPENBERG, Nov. Act. Halle, lxix, 370, 1887.

*3688. **deleta** HULST, Jn. N. Y. Ent. Soc., viii, 218, 1901. — Atl. States.

*3689. **virginalis** HULST, Jn. N. Y. Ent. Soc., viii, 218, 1901. — Atl. States.

3690. **ribearia** FITCH, Trans. N. Y. Agr. Soc., viii, 466, 1848; Third Rept. Ins. N. Y., 427, 1856; WALSH, Pract. Ent., 22, 1865; SAUNDERS, Rept. Ent. Soc. Ont., 374, 1874; Can. Ent., vi, 138, 1874; Ins. Inj. Fruits, 345, 1883; PACKARD, C. 248; RILEY, Rept. Ins. Mo., ix, 3, 1877; LINTNER, Ent. Cont., iii, 166, 1872; HULST, Ent. News, vi, 104, 1895. — Atl. States.

syn. *sigmaria* GUENÉE, Spec. Gén., ix, 184, 1857; WALKER, Cat. Brit. Mus., xxiv, 1068, 1862; *annisaria* WALKER, Can. Nat., v, 260, 1860; *aniusaria* WALKER, Cat. Brit. Mus., xxvi, 1507, 1862; PACKARD, C. 497; *grossulariata* SAUNDERS, Rept. Ent. Soc. Ont., xii, 83, 1881.

*3691. **sulphurea** PACKARD, Fifth Rept. Peab. Acad. Sci., 77, 1873. — No. U. S.

syn. *sulphuraria* PACKARD, C. 255.

3692. **occiduaria** PACKARD, Sixth Rept. Peab. Acad. Sci., 52, 1874; C. 473. — Pac. States.

3693. **flavicaria** PACKARD, C. 256. — No. Atl. States.

*3694. **fascioferaria** HULST, Ent. Amer., ii, 191, 1887. — No. U. S.

3695. **brunneata** THUNBERG, Diss. Ent., i, 9, 1784; STAUDINGER & WOCKE, Cat. Lep. Eur., i, no. 2451, 1871; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 4018, 1901; PACKARD, C. 256. — No. U. S., Eur.

syn. *pinetaria* HÜBNER, *quinquaria* HÜBNER, *sylvaria* CURTIS, *cembraria* MOTSCHULSKY, *ferruginaria* PACKARD.

*3696. **crocearia** HULST, Ent. Amer., ii, 211, 1887. — Tex.

3697. **ella** HULST, Trans. Am. Ent. Soc., xxiii, 332, 1896. — Wash.

*3698. **cervinaria** BLANCHARD, Gay's Hist. Chile, Zool., vii, 89, 1852; HULST, Ent. News, v, 305, 1894. — Fla., Tex., Ariz., So. Am.

syn. *eversaria* GUENÉE, Spec. Gén., ix, 93, 1857; WALKER, Cat. Brit. Mus., xx, 116, 1860; *rithusaria* WALKER, Cat. Brit. Mus., xx, 162, 1860; *tegularia* WALKER, Cat. Brit. Mus., xx, 228, 1860.

a. **gausaparia** GROTE, Pap., i, 41, 1881.

*3699. **nicetaria** GUENÉE, Spec. Gén., x, 107, 1857; HULST, Ent. News, v, 305, 1894. — Fla.

syn. *proditata* WALKER, Cat. Brit. Mus., xxii, 633, 1861; *confinaria* WALKER, Cat. Brit. Mus., xxiii, 959, 1861; *cyclata* WALKER, Cat. Brit. Mus., xxvi, 1669, 1862; *liboraria* WALKER, Cat. Brit. Mus., xxvi, 1495, 1862; *lucidiferata* WALKER, Cat. Brit. Mus., xxvi, 1574, 1862; *vagaria* WALKER, Cat. Brit. Mus., xxvi, 1685, 1862.

*3700. **solitaria** WALKER, Cat. Brit. Mus., xxii, 631, 1861; HULST, Ent. News, v. 306, 1894. — Fla.

syn. *stabilitata* WALKER, Cat. Brit. Mus., xxii, 632, 1861; *repugnata* WALKER, Cat. Brit. Mus., xxvi, 1577, 1862.

a. **inaptata** WALKER, Cat. Brit. Mus., xxiii, 886, 1861; PACKARD, C. 297.

*3701. **helena** HULST, Trans. Am. Ent. Soc., xxiii, 332, 1896. — N. Y.

*3702. **nervata** GUENÉE, Spec. Gén., x. 85, 1857; WALKER, Cat. Brit. Mus., xxiii, 910, 1861. — Fla.

syn. *tractata* WALKER, Cat. Brit. Mus., xxiii, 890, 1861; PACKARD, C. 296.

3703. **inceptaria** WALKER, Cat. Brit. Mus., xxvi, 1667, 1862; HULST, Ent. News, vi, 11, 1895; SLINGERLAND, Rural New Yorker, 497, 1896. — Atl. States.

syn. *argillacearia* PACKARD, Sixth Rept. Peab. Acad. Sci., 48, 1874; C. 258; *modestaria* HULST, Ent. News, vi, 11, 1895.

*3704. **evagaria** HULST, Can. Ent., xxxii, 106, 1900. — Col., Alberta, Minn., Ont.

3705. **subcessaria** WALKER, Cat. Brit. Mus., xxiii, 945, 1861; PACKARD, C. 254; HULST, Ent. News, v, 306, 1894. — U. S.

syn. *perarcuata* WALKER, Cat. Brit. Mus., xxiv, 1264, 1862.

a. **coortaria** HULST, Ent. Amer., ii, 191, 1887.

3706. **bitactata** WALKER, Cat. Brit. Mus., xxiv, 1264, 1862; HULST, Ent. News, v, 306, 1894. — U. S.

syn. *quadrilinearia* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 26, 1874; C. 252.

*3707. **packardaria** MÖSCHLER, Stett. ent. Zeit., 119, 1883. — Lab.

3708. **wauaria** LINNÆUS, Syst. Nat., 522, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 4013, 1901. — No. U. S., Eur.

syn. *wararia* FABRICIUS, Syst. Ent., iii, 2, 150, 1794; PACKARD, C. 253; HOFMANN, Gr. Schm. Eur., 189, 1894; *rauaria* SCHRANK, Faun. Boica, ii, 2, 24, 1802; *wawaria* HERRICH-SCHAEFFER; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 301, 1884; *fuscaria* THUNBERG, Diss. Ent., iv, 58, 1794; *v-nigraria* HAWORTH, Lep. Brit., 282, 1829; *atrosignata* WALKER, Cat. Brit. Mus., xxv, 1457, 1862; *circumflexaria* EVERSMANN, Bull. Mosc., iii, 226, 1848.

3709. **pustularia** HÜBNER, Zutr. exot. Schmett., f. 879, 1837; PACKARD, C. 564; HULST, Ent. News, vi, 106, 1895. — Atl. States.

syn. *latiferrugata* WALKER, Cat. Brit. Mus., xxvi, 1640, 1862; PACKARD, C. 296; HULST, Ent. News, v, 304, 1894; *brunneata* PACKARD, Fifth Rept. Peab. Acad. Sci., 67, 1873; Rept. Geol. Surv. Terr., v, 553, 1873; *brunnearia* PACKARD, C. 298; GOODELL, Can. Ent., x, 66, 1878; KELLICOTT, Can. Ent., xvii, 32, 1885.

3710. **graphidiaria** HULST, Ent. Amer., ii, 190, 1887. — Ariz., N. M., Mex., Tex.

3711. **octolineata** HULST, Ent. Amer., ii, 189, 1887. — Ariz.

*3712. **particolor** HULST, Can. Ent., xxx, 163, 1898. — Fla.

*3713. **marinaria** STRECKER, Lep. Rhop. Het., suppl. 2, 9, 1899. — Wash.

*3714. **floridensis** HULST, Can. Ent., xxx, 164, 1898. — Fla.

*3715. **decorata** HULST, Trans. Am. Ent. Soc., xxiii, 333, 1896. — Col.

*3716. **sericeata** HULST, Can. Ent., xxx, 191, 1898. — Ariz., Col.

3717. **olivalis** HULST, Can. Ent., xxx, 191, 1898. — ? Tex.

3718. **benigna** HULST, Can. Ent., xxx, 191, 1898. — Cal.

*3719. **pervelata** WALKER, Cat. Brit. Mus., xxvi, 1760, 1862; PACKARD, C. 276; HULST, Ent. News, vi, 105, 1895 (type lost). — Ga.

3720. **rectifascia** HULST, Trans. Am. Ent. Soc., xxiii, 333, 1896. — Wash.

3721. **guenearia** PACKARD, C. 252, 1876. — Cal.

3722. **tenebrosata** HULST, Ent. Amer., ii, 189, 1887. — Ariz.

*3723. **subalbaria** HULST, Trans. Am. Ent. Soc., xxiii, 333, 1896. — U. S.

3724. **minuta** HULST, Trans. Am. Ent. Soc., xxiii, 334, 1896. — Tex., Ariz.

*3725. **maricopa** HULST, Can. Ent., xxx, 164, 1898. — Ariz.

3726. **abbreviata** WALKER, Cat. Brit. Mus., xxvi, 1673, 1862; PACKARD, C. 210; HULST, Ent. News, vi, 105, 1896. — Atl. States.

syn. *florida* HULST, Trans. Am. Ent. Soc., xxiii, 334, 1896.

*3727. **crassata** HULST, Trans. Am. Ent. Soc., xxiii, 333, 1896. — Col.

*3728. **deceptata** Hulst, Trans. Am. Ent. Soc., xxiii, 334, 1896. — N. Y.

*3729. **pallidula** Hulst, Trans. Am. Ent. Soc., xxiii, 334, 1896. — Col.

*3730. **subacuta** Hulst, Trans. Am. Ent. Soc., xxiii, 335, 1896. — Col., Nev.

*3731. **cinereola** Hulst, Trans. Am. Ent. Soc., xxiii, 335, 1896. — Col.

3732. **umbriferata** Hulst, Ent. Amer., ii, 189, 1887. — Col., Cal., N. Mex.
syn. *umbrifasciata* Hulst, Trans. Am. Ent. Soc., xxiii, 332, 1896.

3733. **inquinaria** Hulst, Ent. Amer., ii, 189, 1887. — Col., Cal.

3734. **denticulodes** Hulst, Trans. Am. Ent. Soc., xxiii, 332, 1896. — N. Y., Col.

*3735. **festa** Hulst, Trans. Am. Ent. Soc., xxiii, 335, 1896. — Col.

*3736. **subfalcata** Hulst, Trans. Am. Ent. Soc., xxiii, 335, 1896. — Col., Man.

*3737. **bicolorata** Fabricius, Syst. Ent., suppl., 149, 1794; Guenée, Spec. Gén., x, 77, 1857; Packard, C. 294; Walker, Cat. Brit. Mus., xxiii, 883, 1861. — Fla., Cal., Alberta.

*3738. **distribuaria** Hübner, Zutr. exot. Schmett., f. 585, 1825; Packard, C. 293; Hulst, Ent. News, v, 305, 1896. — Atl. States.
syn. *oppositaria* Guenée, Spec. Gén., x, 76, 1857; Packard, C. 293; *proxanthata* Walker, Cat. Brit. Mus., xxvi, 1642, 1862; Packard, C. 297; *antaurata* Walker, Cat. Brit. Mus., xxvi, 1686, 1862.
a. **transitaria** Walker, Cat. Brit. Mus., xxiii, 886, 1861; Packard, C. 295.

*3739. **donotaria** Walker, Cat. Brit. Mus., xxvi, 1673, 1862 (type lost). — Ga.

3739. 1. **speciosa** Hulst, Trans. Am. Ent. Soc., xxiii, 332, 1896. — N. Mex.

NYCTIPHANTA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 336, 1896.

*3740. **lætula** Hulst, Trans. Am. Ent. Soc., xxiii, 336, 1896. — Ariz.

APOLEMA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 336, 1896.

*3741. **carata** Hulst, Ent. Amer., ii, 211, 1887. — Fla.

EUASPILATES Packard.

PACKARD, Sixth Rept. Peab. Acad. Sci., 45, 1874; C. 203; HULST, Trans. Ent. Soc., xxiii, 337, 1896.

3742. **spinataria** PACKARD, Sixth Rept. Peab. Acad. Sci., 45, 1874; Rept. Geol. Surv. Terr., v, 551, 1875; C. 204; STRECKER, Surv. Dept. Mo., Ruffner, App. 88, 1863, 1878; BRUCE, Ent. Amer., iii, 49, 1887. — Rocky Mts.

ANTHELIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 337, 1896.

*3743. **taylorata** HULST, Trans. Am. Ent. Soc., xxiii, 337, 1896. — Brit. Col.

SYMPHERTA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 338, 1896.

3744. **julia** HULST, Trans. Am. Ent. Soc., xxiii, 338, 1896. — Atl. States, Rocky Mts.

*3745. **coloradensis** HULST, Trans. Am. Ent. Soc., xxiii, 338, 1896. — Col.

3746. **marcessaria** GUENÉE, Spec. Gén., x, 92, 1857; PACKARD, C. 251; HULST, Ent. Amer., iii, 9, 1887. — Cal., Col.

a. **cineraria** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 392, 1871.

3747. **tripunctaria** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 26, 1874; C. 250; BUTLER, Pap., i, 222, 1882; HULST, Ent. News, vi, 11, 1895. — Cal., Brit. Col.

syn. *Horquinaria* GUENÉE, Spec. Gén., x, 101, 1857; WALKER, Cat. Brit. Mus., xxiii, 958, 1861; HULST, Ent. Amer., iii, 9, 1887; Ent. News, vi, 11, 1895 (type lost).

HOMOCHLODES Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 339, 1896.

3748. **fritillaria** GUENÉE, Spec. Gén., x, 136, 1857; PACKARD, C. 489; HULST, Ent. News, v, 306, 1894. — No. Atl. States.

syn. *discoventa* WALKER, Cat. Brit. Mus., xxi, 404, 1860; PACKARD, C. 243; GROTE, Can. Ent., ix, 28, 1877; HULST, Ent. News, v, 306, 1894; *latisparqaria* WALKER, Can. Nat., vi, 41, 1861; Cat. Brit. Mus., xxv, 1387, 1862; *immersata* WALKER, Cat. Brit. Mus., xxiv, 1228, 1862.

*3749. **famulata** HULST, Ent. Amer., ii, 191, 1887. — Ont.

THALLOPHAGA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 339, 1896.

*3750. **fautaria** Hulst, Ent. Amer., iii, 216, 1888; Ent. News, v, 306, 1894. — Cal., Col., B. C.

ÆTHYCTERA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 339, 1896.

*3751. **electa** Hulst, Trans. Am. Ent. Soc., xxiii, 339, 1896. — Cal.

*3752. **lineata** Hulst, Can. Ent., xxx, 192, 1898. — Col.

APÆCASIA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 340, 1896.

3753. **detersata** Guenée, Spec. Gén., x, 105, 1857; Packard, C. 243. — N. E. States, Col.

*3754. **deductaria** Walker, Cat. Brit. Mus., xx, 237, 1860; Hulst, Ent. News, vi, 13, 1895. — No. Atl. States.

syn. *atropunctata* Packard, Sixth Rept. Peab. Acad. Sci., 50, 1874; C. 244; Grote, Can. Ent., xii, 219, 1880; *fernaldi* Grote, Can. Ent., x, 17, 1878.

3755. **defluata** Walker, Cat. Brit. Mus., xxiii, 984, 1861; Packard, C. 245; Hulst, Ent. News, vi, 71, 1895. — No. Atl. States.

syn. *subæquaria* Walker, Cat. Brit. Mus., xxvi, 1660, 1862; Packard, C. 247.

*3756. **mercedulata** Strecker, Lep. Rhop. Het., suppl. 2, 9, 1899. — Cal.

*3757. **extremaria** Walker, Cat. Brit. Mus., xxiii, 984, 1861; Packard, C. 247; Hulst, Ent. News, vi, 42, 1895. — Atl. States.

syn. *ordinaria* Walker, Cat. Brit. Mus., xxiv, 1068, 1861.

CATOPYRRHA Hübner.

Hübner, Verz. bek. Schmett., 300, 1818; Guenée, Spec. Gén., x, 182, 1857; Walker, Cat. Brit. Mus., xxiv, 1064, 1861; Hulst, Trans. Am. Ent. Soc., xxiii, 340, 1896.

*3758. **ferruginosaria** Packard, Proc. Bost. Soc. Nat. Hist., xiii, 388, 1871; C. 426. — Col.

3759. **coloraria** FABRICIUS, Syst. Ent., suppl., 96, 1798; PACKARD, C. 206; HULST, Ent. Amer., iii, 10, 1887; Ent. News, vi, 15, 1895. — Atl. States.

syn. *accessaria* HÜBNER, Zutr. exot. Schmett., f. 503, 1820?; *cruentaria* HÜBNER, Eur. Schmett., pl. 10, f. 48, 1830?; DUPONCHEL, Hist. Nat., viii, 128, 1829; *atropunctaria* WALKER, Cat. Brit. Mus., xxvi, 1673, 1862; PACKARD, C. 210.

a. **olenusaria** WALKER, Cat. Brit. Mus., xxvi, 1675, 1862; PACKARD, C. 216.

b. **dissimilaria** HÜBNER, Samml. exot. Schmett., i, 1806; PACKARD, C. 208.

c. **sphæromacaria** HARVEY, Bull. Buff. Soc., ii, 284, 1875; PACKARD, C. 207.

d. **perolivata** HULST, Trans. Am. Ent. Soc., xxiii, 340, 1896.

ENEMERA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 340, 1896.

3760. **juturnaria** GUENÉE, Spec. Gén., x, 147, 1857; PACKARD, C. 241; BUTLER, Pap., i, 222, 1881; DYAR, Ent. News, v, 63, 1894; HULST, Ent. News, vi, 104, 1895. — Rocky Mts., Pac. States, Alaska.

a. **californiaria** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 394, 1871; C. 241.

3761. **viridirufaria** NEUMOEGEN, Pap., i, 145, 1881. — Ariz.

CARIPETA Walker.

WALKER, Cat. Brit. Mus., xxvi, 1524, 1862; PACKARD, C. 237; HULST, Trans. Am. Ent. Soc., xxiii, 341, 1896; *Parennomos* PACKARD.

*3762. **ida** HULST, Trans. Am. Ent. Soc., xxiii, 341, 1896. — Col.

*3763. **græfiaria** HULST, Ent. Amer., ii, 192, 1887. — Ariz.

3764. **divisata** WALKER, Cat. Brit. Mus., xxvi, 1525, 1862; PACKARD, C. 237; HULST, Ent. News, vi, 12, 105, 1895. — Atl. States.

syn. *albopunctata* MORRISON, Proc. Bost. Soc. Nat. Hist., xvi, 202, 1874.

3765. **angustiorata** WALKER, Cat. Brit. Mus., xxvi, 1524, 1862; PACKARD, C. 238; Am. Nat., xviii, 1095, 1884; HULST, Ent. Amer., iii, 9, 1887. — Atl. States.

syn. *piniaria* PACKARD, New or Little Known Ins., 15, 1870.

a. **latiorata** WALKER, Cat. Brit. Mus., xxvi, 1525, 1862; PACKARD, C. 239.

*3766. **aretaria** WALKER, Cat. Brit. Mus., xx, 258, 1860; HULST, Ent. News, vi, 12, 1895. — Va. to Ga.

syn. *subochrearia* GROTE, Can. Ent., xv, 9, 1883; HULST, Ent. Amer., iii, 9, 1887; Ent. News, vi, 12, 1895.

3767. **æqualiaria** GROTE, Trans. Kans. Acad. Sci., viii, 56, 1883; Ann. Mag. Nat. Hist., (5), xi, 56, 1883; HULST, Ent. Amer., iii, 9, 1887. — Col., N. Mex.

*3768. **seductaria** STRECKER, Lep. Rhop. Het., suppl. 2, 9, 1899. — Pa.

PHENGOMMATÆA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 341, 1896.

3769. **edwardsata** HULST, Ent. Amer., i, 203, 1886. — Col., Ariz., Cal.

3770. **gertruda** HULST, Trans. Am. Ent. Soc., xxiii, 342, 1896. — Col.

*3771. **dissimilis** HULST, Can. Ent., xxx, 215, 1898. — Col.

PLATEA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ausser. Schmett., 29, 1855; HULST, Trans. Am. Ent. Soc., xxiii, 342, 1896; GROTE, Proc. Ent. Soc. Phil., ii, 344, 1865; *Gorytodes* GUENÉE, Spec. Gén., x, 179, 1857; PACKARD, C. 201.

3772. **californiaria** HERRICH-SCHAEFFER, Ausser. Schmett., f. 537, 1855; WALKER, Cat. Brit. Mus., xxvi, 1673, 1862. — Cal.

syn. *uncanaria* GUENÉE, Spec. Gén., x, 180, 1857; PACKARD, C. 201.

a. **personaria** HY. EDWARDS, Pap., i, 120, 1881.

3773. **trilinearia** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 24, 1874; C. 202; HULST, Ent. Amer., iii, 11, 1887. — Tex., Col., Ariz., Nev.

a. **dulcearia** GROTE, Bull. Brook. Ent. Soc., iii, 46, 1880.

3774. **diva** HULST, Trans. Am. Ent. Soc., xxiii, 343, 1896. — So. Cal.

*3775. **demorsaria** STRECKER, Lep. Rhop. Het., suppl. 2, 9, 1899. — Wash.

ENYPIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 343, 1896.

3776. **venata** GROTE, Can. Ent., xv, 133, 1883. — Pac. States.

*3777. **perangulata** HULST, Trans. Am. Ent. Soc., xxiii, 242, 1896. — Col., Ariz.

PHILEDIA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 343, 1896.

3778. **punctomacularia** Hulst, Ent. Amer., iii, 214, 1888; Hopkins, Bull. 21, n. s., U. S. Dept. Agr., 18, 1899 (without name). — Pac. States.

NEPYTIA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 344, 1896.

3779. **nigrovenaria** Packard, C. 454. — Pac. States.

3780. **semiclusaria** Walker, Cat. Brit. Mus., xxvi, 1506, 1862; Hulst, Ent. News, vi, 42, 1895. — No. U. S.

syn. *pulchraria* Minot, Proc. Bost. Soc. Nat. Hist., xiii, 170, 1896; Packard, C. 452; *pellucidaria* Packard, Fifth Rept. Peab. Acad. Sci., 78, 1873; Morrison, Psyche, i, 68, 1875; *pinaria* Packard, New or Little Known Ins., 14, 1870; Dimmock, Psyche, iv, 272, 1885.

a. **canosaria** Walker, Cat. Brit. Mus., xxvi, 1675, 1862; Packard, C. 210.

*3781. **fumosaria** Strecker, Lep. Rhop. Het., suppl. 2, 10, 1899. — Fla., Ill.

*3782. **phantasmaria** Strecker, Lep. Rhop. Het., suppl. 2, 10, 1899. — Wash.

3783. **umbrosata** Packard, Proc. Bost. Soc. Nat. Hist. xvi, 23, 1874; C. 453. — Pac. States.

ALCIS Curtis.

Curtis, Brit. Ent., iii, 303, 1825; Hulst, Trans. Am. Ent. Soc., xxiii, 344, 1896; *Hesperumia* Packard, Fifth Rept. Peab. Acad. Sci., 79, 1873; Proc. Bost. Soc. Nat. Hist., xvi, 37, 1873.

3784. **sulphuraria** Packard, Fifth Rept. Peab. Acad. Sci., 79, 1873; C. 477. — U. S.

syn. *ochreata* Packard, Proc. Bost. Soc. Nat. Hist., xvi, 37, 1873.

a. **baltearia** Hulst, Bull. Brook. Ent. Soc., iii, 43, 1880.

b. **unicoloraria** Hulst, Ent. Amer., i, 208, 1886.

3785. **multilineata** Packard, Fifth Rept. Peab. Acad. Sci., 65, 1873; C. 287; Hulst, Ent. Amer., ii, 223, 1887. — N.-E. U. S., Rocky Mts.

syn. *patriciata* Grote, Can. Ent., xv, 129, 1883.

3786. **dislocaria** Packard, C. 282; Grote, Can. Ent., xv, 8, 1883. — Iowa, Tex., Col.

3787. **metanemaria** Hulst, Ent. Amer., ii, 188, 1887. — Ariz., Cal.

3788. **depromaria** Grote, Can. Ent., xv, 87, 1883. — Rocky Mts., Cal.

3789. **lallata** Hulst, Can. Ent., xxx, 193, 1898. — Ariz.

3790. **atrolinearia** HULST, Ent. Amer., iii. 214. 1888. — Atl. States, Col.

3791. **spododea** HULST, Trans. Am. Ent. Soc., xxiii, 345, 1896. — Col.

3792. **dissonaria** HULST, Trans. Am. Ent. Soc., xxiii, 345, 1896. — Col.

*3793. **guttata** HULST, Jn. N. Y. Ent. Soc., viii, 219, 1901. — N. Y., Pa.

*3794. **dejecta** HULST, Trans. Am. Ent. Soc., xxiii, 345, 1896. — Col., Cal., Ariz.

3795. **quinquelinearia** PACKARD, Sixth Rept. Peab. Acad. Sci., 51, 1874; C. 432. — Tex.

3796. **obliquaria** GROTE, Can. Ent., xv, 124, 1883. — Col., Cal., Ariz.

3797. **imitata** WALKER, Cat. Brit. Mus., xxi, 395, 1860; HULST, Ent. News, vi, 42, 1895. — Cal., Nev.

syn. *californiaria* PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 388, 1869; C. 411.

3798. **mæstosa** HULST, Can. Ent., xxx, 193, 1898. — Iowa.

3799. **latifasciaria** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 33, 1873; C. 447; Bull. U. S. Ent. Comm., vii, 49, 1881. — Cal., Wash.

3800. **haydenata** PACKARD, C. 445, 1876. — Rocky Mts.

*3801. **luridula** HULST, Trans. Am. Ent. Soc., xxiii, 346, 1896. — Ga., Fla.

3802. **latipennis** HULST, Trans. Am. Ent. Soc., xxiii, 346, 1896. — Wash.

PARAPHIA Guenée.

GUENÉE, Spec. Gén., ix, 271, 1857; PACKARD, C. 415; HULST, Trans. Am. Ent. Soc., xxiii, 346, 1896; *Amilapis* GUENÉE, Spec. Gén., x, 62, 1857.

3803. **subatomaria** WOOD, Ind. Ent., 241, f. 1673, 1839; PACKARD, C. 417; HULST, Ent. News, vi, 73, 1895. — Atl. States.

syn. *nubecularia* GUENÉE, *mammularia* GUENÉE, *impropriata* WALKER, Cat. Brit. Mus., xxiii, 888, 1861; *exsuperata* WALKER, Cat. Brit. Mus., xxvi, 1655, 1862.

a. **unipuncta** HAWORTH, Lep. Brit., 345, 1820?; PACKARD, C. 416.

syn. *unipunctata* GUENÉE, *triplipunctaria* FITCH, Trans. N. Y. Agr. Soc., xviii, 825, 1860.

b. **deplanaria** GUENÉE, Spec. Gén., ix, 272, 1857; PACKARD, C. 418; HULST, Ent. News, vi, 73, 1895.

syn. *fidoniata* WALKER, Cat. Brit. Mus., xxiii, 924, 1861.

SPODOLEPIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 347, 1896.

3804. **substriaria** HULST, Trans. Am. Ent. Soc., xxiii, 347, 1896. — N. Y., N. J.

STENOTRACHELYS Guenée.

GUENÉE, Spec. Gén., ix, 290, 1857; PACKARD, C. 448; HULST, Trans. Am. Ent. Soc., xxiii, 347, 1896.

3805. **approximaria** HÜBNER, Samml. exot. Schmett., i. 1806; PACKARD, C. 449. — So. Atl. States.

3806. **permagnaria** PACKARD, C. 450, 1876. — Mo.

LYTROSIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 348, 1896.

3807. **unitaria** HERRICH-SCHAEFFER, Ausser. Schmett., f. 204, 1855; PACKARD, C. 447; Bull. U. S. Ent. Comm., vii, 49, 1881. — Atl. States.

MERIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 348, 1896.

*3808. **alticola** HULST, Trans. Am. Ent. Soc., xxiii, 348, 1896. — Col.

PTEROTÆA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 349, 1896.

*3809. **cariosa** HULST, Trans. Am. Ent. Soc., xxiii, 349, 1896. — Cal.

IXALA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 349, 1896.

3810. **desperaria** HULST, Ent. Amer., ii, 210, 1887. — N. Mex.,
a. **unicoloraria** HULST, Ent. Amer., iii, 217, 1888. — Ariz.

PTEROSPODA Dyar.

Spodoptera HULST (not GUENÉE), Trans. Am. Ent. Soc., xxiii, 350, 1896.

*3811. **opuscularia** HULST, Ent. Amer., ii, 210, 1887. — Cal.

3812. **kunzei** HULST, Can. Ent., xxx, 192, 1898. — Ariz.

SOMATOLOPHIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 350, 1896.

*3813. **umbripennis** HULST, Trans. Am. Ent. Soc., xxiii, 350, 1896. — Col.

TORNOS Morrison.

MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 217, 1875; PACKARD, C. 214; HULST, Trans. Am. Ent. Soc., xxiii, 351, 1896.

3814. **scolopacinarius** GUENÉE, Spec. Gén., x, 360, 1857; PACKARD, C. 565; HULST, Ent. News, vi, 103, 1896. — So. Atl. States.

syn. *rubiginosus* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 218, 1875; PACKARD, C. 214.

a. **cinctarius** HULST, Ent. Amer., ii, 192, 1887.

3815. **abjectarius** HULST, Ent. Amer., ii, 192, 1887. — So. Atl. States.

EXELIS Guenée.

GUENÉE, Spec. Gén., ix, 323, 1857; *Patridiva* WALKER, Cat. Brit. Mus., xxvi, 1688, 1862.

3816. **pyrolaria** GUENÉE, Spec. Gén., ix, 324, 1857; PACKARD, C. 565; HULST, Ent. News, vi, 103, 1895; Ent. Amer., iv, 50, 1888. — So. Atl. States.

syn. *tensaria* WALKER, Cat. Brit. Mus., xxvi, 1689, 1862; *approximaria* PACKARD, C. 215; HULST, Ent. Amer., iii, 11, 1887; *infumataria* GROTE, Can. Ent., ix, 90, 1877.

SYNGLOCHIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 351, 1896.

*3817. **perumbraria** HULST, Trans. Am. Ent. Soc., xxiii, 352, 1896. — Cal.

GLAUCINA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 352, 1896.

3818. **pygmeolaria** GROTE, Can. Ent., xv, 24, 1883; HULST, Ent. Amer., iii, 11, 1887. — Ariz.

3819. **escaria** GROTE, Can. Ent., xv, 24, 1883; HULST, Ent. Amer., iii, 11, 1887. — Col., Ariz.

*3820. **incopriata** HULST, Ent. Amer., ii, 210, 1887. — Cal., Ariz.

HOLOCHROA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 352, 1896.

3821. **dissociaria** HULST, Ent. Amer., ii, 192, 1887. — Tex., Cal.

CŒNOCHARIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 353, 1896.

*3822. **eupitheciaria** GROTE, Can. Ent., xv, 24, 1883. — Ariz.

3823. **elongata** Hulst, Trans. Am. Ent. Soc., xxiii, 353, 1896. — Tex., Ariz.

3824. **interruptaria** Grote, Can. Ent., xiv, 185, 1883; Hulst, Ent. Amer., iii, 11, 1887; iv, 49, 1888. — Col., Ariz., Cal.

*3825. **ochrofuscaria** Grote, Can. Ent., xiv, 186, 1883; Hulst, Ent. Amer., iii, 11, 1887. — Ariz.

ÆTHALODES Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 354, 1896.

*3826. **packardaria** Hulst, Ent. Amer., iii, 217, 1888. — Cal.

CHESIADODES Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 354, 1896.

*3827. **morosata** Hulst, Trans. Am. Ent. Soc., xxiii, 354, 1896. — Cal.

SELIDOSEMA Hübner.

Hübner, Verz. bek. Schmett., 299, 1818; Lederer, Verh. zool.-bot. Ges. Wien, 232, 1853; Packard, C. 240; Meyrick, Trans. Ent. Soc. Lond., 105, 1892; Hulst, Trans. Am. Ent. Soc., xxiii, 354, 1896; *Adactylotis* Hübner, Verz. bek. Schmett., 303, 1818.

*3828. **muricolor** Hulst, Trans. Am. Ent. Soc., xxiii, 355, 1896. — Pa.

3829. **wrightiarium** Hulst, Ent. Amer., iii, 215, 1888. — Cal.

*3830. **fuliginarium** Hulst, Ent. Amer., iii, 215, 1888. — Ill., Tex.

*3831. **delicatum** Hulst, Can. Ent., xxxii, 106, 1900. — Cal.

3832. **lachrymosum** Hulst, Can. Ent., xxx, 194, 1898. — Cal.
syn. *homopteroides* Hulst, Jn. N. Y. Ent. Soc., viii, 219, 1901.

*3833. **pulmonarium** Grote, Pap., i, 167, 1881. — Col., Ariz., N. Mex.

*3834. **clivinarium** Guenée, Spec. Gén., ix, 245, 1857; Packard, C. 455; Hulst, Ent. News, vi, 105, 1895. — Cal.

*3835. **separatarium** Grote, Can. Ent., xv, 124, 1883. — Ariz.

3836. **nigrescens** Hulst, Can. Ent., xxx, 214, 1898. — Tex.

*3837. **laminarium** Strecker, Lep. Rhop. Het., suppl. 2, 10, 1899. — Cal.

3838. **humarium** GUENÉE, Spec. Gén., ix, 246, 1857; PACKARD, C. 435; HULST, Ent. News, vi, 41, 72, 1895. — Atl. States, N. Mex., Cal.

syn. *intrarium* GUENÉE, Spec. Gén., ix, 246, 1857; *defectarium* GUENÉE, Spec. Gén., ix, 247, 1857; *moniarium* WALKER, Cat. Brit. Mus., xxi, 345, 1860; *transfixarium* WALKER, Cat. Brit. Mus., xxi, 347, 1860; *albiginarium* WALKER, Cat. Brit. Mus., xxi, 348, 1860; *ephyrarium* WALKER, Cat. Brit. Mus., xxi, 349, 1860; *intractarium* WALKER, Cat. Brit. Mus., xxi, 349, 1860; *erosiatum* WALKER, Cat. Brit. Mus., xxvi, 1719, 1862; *illaudatum* WALKER, Cat. Brit. Mus., xxi, 397, 1860; *ejectarium* WALKER, Cat. Brit. Mus., xxii, 489, 1861; *expressarium* WALKER, Cat. Brit. Mus., xxvi, 1657, 1862.

3839. **umbrosarium** HÜBNER, Samml. exot. Schmett., i, 1806; PACKARD, C. 439. — Atl. States.

syn. *Leporellarium* GUENÉE, Spec. Gén., ix, 252, 1857; WALKER, Cat. Brit. Mus., xxi, 350, 1860; PACKARD, C. 455; HULST, Ent. News, vi, 42, 105, 1895.

a. **gnophosarium** GUENÉE, Spec. Gén., ix, 251, 1857; WALKER, Cat. Brit. Mus., xx, 350, 1860.

*3840. **excelsarium** STRECKER, Lep. Rhop. Het., suppl. 2, 10, 1899. — Wash.

*3841. **albescens** HULST, Trans. Am. Ent. Soc., xxiii, 355, 1896. — Wash.

MERICISCA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 356, 1896.

3842. **gracea** HULST, Trans. Am. Ent. Soc., xxiii, 356, 1896. — Col.

CLEORA Curtis.

CURTIS, Brit. Ent., ii, 88, 1825; PACKARD, C. 450; MEYRICK, Trans. Ent. Soc. Lond., 105, 1892; WARREN, Nov. Zool., i, 434, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 356, 1896; *Boarmia* TREITSCHKE, Schmett. Eur., vi, 1, 87, 1827; DUPONCHEL, Hist. Nat., vii, 4, 327, 1829; HERRICH-SCHAEFFER, Schm. Eur., iii, 76, 1847; LEDERER, Verh. zool.-bot. Ges. Wien, 177, 1853; MEYRICK, Trans. New Zeal. Ins., 99, 1883; 65, 1884; Trans. Ent. Soc. Lond., 211, 1886.

3843. **furfuraria** HULST, Ent. Amer., iii, 214, 1888. — Col.

3844. **dataria** GROTE, Can. Ent., xiv, 173, 1882. — Rocky Mts.

*3845. **opacaria** HULST, Bull. Brook. Ent. Soc., iv, 27, 1881. — Col., N. Mex.

*3846. **lixaria** GROTE, Trans. Kans. Acad. Sci., viii, 52, 1882. — Rocky Mts.

3847. **cribrataria** GUENÉE, Spec. Gén., ix, 260, 1857; PACKARD, C. 424. — Atl. States.

3848. **indicataria** WALKER, Cat. Brit. Mus., xxi, 346, 1860; HULST, Ent. News, vi, 41, 1895. — Atl. States.

syn. *filaria* WALKER, Cat. Brit. Mus., xxi, 347, 1860; PACKARD, C. 456; *polygrammaria* PACKARD, C. 439.

*3849. **rufaria** GROTE, Can. Ent., xv, 125, 1883. — Ariz.

3850. **pampinaria** GUENÉE, Spec. Gén., ix, 245, 1857; PACKARD, C. 432; FRENCH, Pap., i, 82, 1881; HULST, Ent. News, vi, 41, 1895. — Atl. States.

syn. *sublunaria* GUENÉE, Spec. Gén., ix, 248, 1857; PACKARD, C. 442; *frugallaria* GUENÉE, Spec. Gén., ix, 246, 1857; WALKER, Cat. Brit. Mus., xxi, 342, 1860; *collecta* WALKER, Cat. Brit. Mus., xxi, 397, 1860; *tinctaria* WALKER, Cat. Brit. Mus., xxi, 486, 1860; *fraudulentaria* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 492, 1872; PACKARD, C. 432.

*3851. **configurata** HULST, Can. Ent., xxx, 195, 1898. — Col.

3852. **formosata** HULST, Trans. Am. Ent. Soc., xxiii, 357, 1896. — Col., Cal.

3853. **correllatum** HULST, Trans. Am. Ent. Soc., xxiii, 355, 1896. — Col., Cal., Oreg.

3854. **vellivolata** HULST, Bull. Brook. Ent. Soc., iv, 34, 1881; Ent. Amer., ii, 223, 1887. — Fla., Tex.

3855. **larvaria** GUENÉE, Spec. Gén., ix, 247, 1857; PACKARD, C. 437; HULST, Ent. News, vi, 34, 1895. — Miss., Oreg., Wash., Man.

syn. ? *convergaria* WALKER, Cat. Brit. Mus., xxi, 488, 1860 (type lost); *plumosaria* PACKARD, Sixth Rept. Peab. Acad. Sci., 51, 1874; C. 431.

3856. **subaustralis** HULST, Can. Ent., xxx, 194, 1898. — Fla.

3857. **pedicellata** HULST, Can. Ent., xxx, 194, 1898. — Fla.

MELANOLOPHIA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 357, 1896.

3858. **canadaria** GUENÉE, Spec. Gén., ix, 263, 1857; PACKARD, C. 425; HULST, Ent. News, vi, 42, 1895. — U. S.

syn. *signataria* WALKER, Cat. Brit. Mus., xxi, 350, 1860; *imperfectaria* WALKER, Cat. Brit. Mus., xxi, 407, 1860; *contribuaria* WALKER, Cat. Brit. Mus., xxi, 407, 1860.

ÆTHALOPTERA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 358, 1896.

3859. **intextata** WALKER, Cat. Brit. Mus., xxi, 398. 1860; HULST, Ent. News, vi, 42, 1895. — Atl. States.

syn. *anticaria* WALKER, Cat. Brit. Mus., xxi, 406, 1860; PACKARD, C. 423; HULST, Ent. News, vi, 42, 1895; *submurraria* WALKER, Cat. Brit. Mus., xxi, 406. 1860.

GLENA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 358, 1896.

*3860. **cognataria** HÜBNER, Zutr. exot. Schmett., f. 549, 1825; PACKARD, C. 421; HULST, Ent. News, vi, 42, 1895. — Atl. States.

syn. *acidaliaria* WALKER, Cat. Brit. Mus., xxvi, 1684, 1862; *infixaria* WALKER, Cat. Brit. Mus., xxvi, 1685. 1862.

3861. **texanaria** HULST, Ent. Amer., iii, 46, 1888. — Fla., Tex.

syn. ? *minimaria* GUENÉE, Spec. Gén., ix, 279, 1857.

ECTROPIS Hübner.

HÜBNER, Verz. bek. Schmett., 316, 1818; MEYRICK, Trans. Ent. Soc. Lond., 104, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 358, 1896; *Tephrosia* GUENÉE, Ind. Gén., 198, 1840; PACKARD, C. 420.

3862. **crepuscularia** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 101, 1776; PACKARD, C. 428; STAUDINGER & REBEL, Cat. Lep. Eur., i, no. 3903, 1901; GOODELL, Can. Ent., x, 67, 1878; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 300, 1884; DIMMOCK, Psyche, iv, 271, 1885; HULST, Ent. News, vi, 41, 72, 1895. — U. S., Eur.

syn. *consonaria* HAWORTH, *defessaria* FREY, *occiduaria* GUENÉE, *signaria* WALKER, *spatiosaria* WALKER, *intrataria* WALKER, *cineraria* WALKER, Cat. Brit Mus., xxi, 488, 1860; *fumataria* MINOT.

a. **abraxaria** WALKER, Cat. Brit. Mus., xxi, 403, 1860; HULST, Ent. News, vi, 72, 1895.

syn. *divisaria* WALKER, Cat. Brit. Mus., xxi, 489, 1860; PACKARD, C. 458; BOWLES, Can. Ent., xv, 166, 1883; *fernaldaria* HULST, Ent. Amer., iii, 215, 1888.

*3863. **grisearia** GROTE, Can. Ent., xv, 124, 1883. — Ariz.

EPIMECIS Hübner.

HÜBNER, Verz. bek. Schmett., 315, 1818; GROTE, Can. Ent., viii, 206, 1876; HULST, Trans. Am. Ent. Soc., xxiii, 359, 1896; *Bronchelia* GUENÉE, Spec. Gén., ix, 286, 1857; WALKER, Cat. Brit. Mus., xxi, 450, 1860.

3864. **virginaria** CRAMER, Pap. Exot., iii, pl. 275, f. G, 1782; HULST, Ent. News, vi, 106, 1895. — Atl. States.

syn. *hortaria* FABRICIUS, Syst. Ent., iii, (2), 138, 31, 1793; PACKARD, C. 443; HULST, Ent. News, vi, 104, 1895; *liriodendraria* SMITH & ABBOT, Lep. Ins. Ga., pl. 102, 1797; *disserptaria* WALKER, Cat. Brit. Mus., xxi, 451, 1860; *amplaria* WALKER, Cat. Brit. Mus., xxi, 405, 1860.

a. **dendraria** GUENÉE, Spec. Gén., ix, 289, 1857; WALKER, Cat. Brit. Mus., xxi, 451, 1860.

syn. *gravilinearia* ANDREWS, Can. Ent., x, 108, 1878.

LYCIA Hübner.

HÜBNER, Verz. bek. Schmett., 319, 1818; HULST, Trans. Am. Ent. Soc., xxiii, 359, 1896; *Amphidasis* TREITSCHKE, Schm. Eur., vi, 1, 229, 1827; DUPONCHEL, Hist. Nat., vii, 4, 268, 1829; HERRICH-SCHAEFFER, Eur. Schmett., iii, 99, 1847; LEDERER, Verh. zool.-bot. Ges. Wien, 218, 1853; KIRBY, Eur. Butt., 332, 1882; *Amphidasys* GUENÉE, Spec. Gén., ix, 206, 1857; WALKER, Cat. Brit. Mus., xxi, 305, 1860; HOFMANN, Gr. Schm. Eur., 179, 1894.

3865. **ursaria** WALKER, Can. Nat., v, 261, 1860; PACKARD, C. 414; Bull. U. S. Ent. Comm., vii, 121, 1881; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 300, 1884; BOWLES, Can. Ent., viii, 7, 1876. — Atl. States.

3866. **virginaria** GROTE, Can. Ent., xii, 220, 1880; HULST, Ent. News, vi, 41, 1895. — Col.

3867. **cognataria** GUENÉE, Spec. Gén., ix, 208, 1857; PACKARD, C. 413; BOWLES, Can. Ent., iii, 11, 1871; EDWARDS & ELLIOT, Pap., iii, 136, 1883; GOODELL, Can. Ent., x, 67, 1878; PUTNAM-CRAMER, Bull. Brook. Ent. Soc., vi, 48, 1885; LINTNER, Ann. Rept. N. Y. Sta. Ent., 98, 1885; SAUNDERS, Ins. Inj. Fru., 349, 1883; DIMMOCK, Psyche, iv, 271, 1885; HULST, Ent. News, vi, 41, 1895. — Atl. States.

syn. *speratariа* WALKER, Cat. Brit. Mus., xxi, 307, 1860.

PHÆOURA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 359, 1896.

3868. **mexicanaria** GROTE, Trans. Kans. Acad. Sci., viii, 51, 1882; HULST, Ent. News, vi, 41, 1895. — Col.

*3869. **cristifera** HULST, Trans. Am. Ent. Soc., xxiii, 360, 1896. — Col.

NACOPHORA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 360, 1896.

*3870. **minima** HULST, Trans. Am. Ent. Soc., xxiii, 360, 1896. — Col.

*3871. **ypsilon** FORBES, Rept. Ent. Ill., xiv, 95, 1885; LUGGER, Rept. Ent. Minn., 189, 1898. — Atl. States

syn. *carolotta* HULST, Trans. Am. Ent. Soc., xxiii, 361, 1896.

*3872. **phigaliaria** GUENÉE, Spec. Gén., ix, 225, 1857; PACKARD, C. 328; HULST, Ent. News, vi, 41, 1895. — Atl. States.

syn. *pænulataria* GROTE, Proc. Ent. Soc. Phil., ii, 31, 1864; Can. Ent., viii, 153, 1876.

3873. **quernaria** SMITH & ABBOT, Lep. Ins. Ga., ii, 205, pl. 103, 1797; PACKARD, C. 411; EMMONS, Nat. Hist. N. Y. Agr., v, 245, 1854; HULST, Ent. Amer., iv, 50, 1888; Ent. News, vi, 41, 1895. — Atl. States.

a. **atrescens** HULST, Can. Ent., xxx, 162, 1898.

*3874. **cupidaria** GROTE, Proc. Ent. Soc. Phil., iii, 534, 1864; PACKARD, C. 412; HULST, Ent. Amer., iv, 50, 1888; Ent. News, vi, 41, 1895. — Fla.

CERATONYX Guenée.

GUENÉE, Spec. Gén., ix, 193, 1857; WALKER, Cat. Brit. Mus., xxi, 296, 1860.

*3875. **satanaria** GUENÉE, Spec. Gén., ix, 194, 1857; PACKARD, C. 565. — Ga.

APOCHEIMA Hübner.

HÜBNER, Verz. bek. Schmett., 319, 1818; GUENÉE, Spec. Gén., ix, 203, 1857; MEYRICK, Trans. Ent. Soc. Lond., 121, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 361, 1896; *Apochima* HERRICH-SCHAEFFER, Eur. Schmett., iii, 98, 1847; LEDERER, Verh. zool.-bot. Ges. Wien, 218, 1853; *Ithusia* HÜBNER, Verz. bek. Schmett., 319, 1818; *Nyssia* DUPONCHEL, Hist. Nat., vii, 283, 1829; GUENÉE, Spec. Gén., ix., 198, 1857.

3876. **rachelæ** HULST, Trans. Am. Ent. Soc., xxiii, 362, 1896. — Col., Alaska.

CONIODES Hulst.

HULST. Trans. Am. Ent. Amer., xxiii, 353, 1896.

3877. **plumigeraria** HULST, Ent. Amer., iii, 216, 1888; COQUILLETT, Bull. U. S. Dept. Agr., n. s., vii, 64, 1897; HULST, Can. Ent., xxx, 214, 1898. — Col., Cal., Brit. Col.

JUBARELLA Hulst.

Hulst, Can. Ent., xxx, 192, 1898.

*3878. **danbyi** Hulst, Can. Ent., xxx, 192, 1898. — Brit. Col.

PHIGALIA Duponchel.

Duponchel, Hist. Nat., vii, 296, 1829; Lederer, Verh. zool.-bot. Ges. Wien, 177, 1853; Guenée, Spec. Gén., ix, 195, 1857; Packard, C. 406; *Raphidodemas* Hulst, Trans. Am. Ent. Soc., xxiii, 362, 1896.

*3879. **nevadaria** Hulst, Trans. Am. Ent. Soc., xxiii, 362, 1896. — Nev., Col.

3880. **olivacearia** Morrison, Proc. Bost. Soc. Nat. Hist., xvi, 200, 1874; Hulst, Ent. Amer., iv, 51, 1888. — Atl. States.

3881. **titea** Cramer, Pap. Exot., iii, 275, f. C, 1782; Packard, C. 442; Hulst, Ent. News, vi, 41, 1896. — Atl. States.

syn. *titearia* Guenée, Spec. Gén., ix, 248, 1857; Walker, Cat. Brit. Mus., xxi, 345, 1860; *revocata* Walker, Cat. Brit. Mus., xxvi, 1527, 1862; *strigataria* Minot, Proc. Bost. Soc. Nat. Hist., xiii, 84, 1869; Packard, C. 407; Bruce, Pap., ii, 81, 1882; French, Trans. Dept. Agr. Ill., xv, 241, 1877; ? *cinctaria* French, Can. Ent., x, 157, 1878; Hulst, Ent. Amer., iv, 51, 1888.

*3882. **denticulata** Hulst, Jn. N. Y. Ent. Soc., viii, 219, 1901.

ERANNIS Hübner.

Hübner, Verz. bek. Schmett., 320, 1818; Meyrick, Trans. Ent. Soc. Lond., 81, 1892; Hulst, Trans. Am. Ent. Soc., xxiii, 363, 1896; *Agriopis* Hübner, Verz. bek. Schmett., 320, 1818; *Hybernia* Latreille, Fam. Nat., 477, 1825; Packard, C. 408; Meyrick, Trans. Ent. Soc. Lond., 120, 1892; *Hibernia* Duponchel, Hist. Nat., vii, 4, 301, 1829; Herrich-Schaeffer, Eur. Schmett., iii, 58, 1847; Lederer, Verh. zool.-bot. Ges. Wien, 213, 1853; Hofmann, Gr. Schm. Eur., 176, 1894.

3883. **defoliaria** Clerck, Icones, 7, 4, 1764; Staudinger & Rebel, Cat. Lep. Eur., i, no. 3802, 1901. — Eur., B. C.

a. **vancouverensis** Hulst, Trans. Am. Ent. Soc., xxiii, 363, 1896.

3884. **tiliaria** Harris, Inj. Ins. Mass., 341, 1841; Packard, C. 409; Saunders, Can. Ent., xiv, 282, 1882; Ins. Inj. Fruits, 111, 1883; Fitch, Third Rept. Ins. N. Y., 343, 1856; Jaeger, N. Am. Ins., 175, 1871; Coquillett, Rept. Ent. Ill., x, 149, 1880; xi, 25, 1881. — Atl. States, Rocky Mts.

*3885. **coloradata** HULST, Trans. Am. Ent. Soc., xxiii, 363, 1896. — Col.

CINGILIA Walker.

WALKER, Trans. Ent. Soc. Lond., (3), i, 76, 1862; DYAR, Can. Ent., xxvi, 69, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 364, 1896; *Caterva* GROTE, Can. Ent., viii, 205, 1876; *Vestigifera* v. GUMPPENBERG, Nov. Act. Halle, lii, 369, 1888.

3886. **catenaria** DRURY, Ill. Exot. Ent., i, 17, 1770; CRAMER, Pap. Exot., iii, 61, pl. 228, f. E, 1782; EMMONS, Nat. Hist. N. Y. Agr., v, 249, 1854; PACKARD, C. 217; COMSTOCK, Rept. Dept. Agr., 274, 1880; COQUILLETT, Pap., i, 56, 1881; HARRIS, Ins. Inj. Mass., 459, 1852; DYAR, Psyche, ix, 250, 1901. — Atl. States, Col.

syn. *humeralis* WALKER, Trans. Ent. Soc. Lond., (3), i, 76, 1862; ? *devinctaria* GUENÉE, Spec. Gén., x, 222, 1857; WALKER, Cat. Brit. Mus., xxiv, 1137, 1862.

EUCATERVA Grote.

GROTE, Pap., ii, 80, 1882; HULST, Trans. Am. Ent. Soc., xxiii, 364, 1876.

3887. **vararia** GROTE, Pap., ii, 80, 1882; Can. Ent., xiv, 109, 1882; HAY, Bull. Geol. Surv., vi, 564, 1882; DYAR, Ent. News, v, 63, 1894. — Ariz.

a. **sabesaria** GROTE, Pap., ii, 143, 1882.

PHILTRÆA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 364, 1896.

3888. **elegantaria** HY. EDWARDS, Pap., i, 121, 1881. — Tenn., La., Tex., Ariz., Cal.

ACANTHOPHORA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 365, 1896.

*3889. **graefii** HULST, Trans. Am. Ent. Soc., xxiii, 365, 1896. — Tex.

TRACHEOPS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 365, 1896.

*3890. **bolteri** HULST, Trans. Am. Ent. Soc., xxiii, 366, 1896. — N. Mex.

DYSCIA Hübner.

Hübner, Verz. bek. Schmett., 314, 1818; Hulst, Trans. Am. Ent. Soc., xxiii, 366, 1896; *Pseudothrix* Hübner, Verz. bek. Schmett., 319, 1818, *Scodiona* Boisduval, Ind. Méth., 185, 1840; Lederer, Verh. zool.-bot. Ges. Wien, 235, 1853; Guenée, Spec. Gén., x, 139, 1857; Walker, Cat. Brit. Mus., xxiv, 1021, 1862; *Napuca* Walker, Cat. Brit. Mus., xxvi, 1693, 1862; *Pseudosiona* Butler, Ann. Mag. Nat. Hist., (6), xii, 18, 1893.

3891. **orciferata** Walker, Cat. Brit. Mus., xxvi, 1693, 1862; Packard, C., pl. 13, f. 57; Hulst, Ent. Amer., ii, 223, 1887; Ent. News, vi, 14, 1895. — No. U. S.

a. **labradoriata** Möschler, Stett. ent. Zeit., 118, 1883; Staudinger & Rebel, Cat. Lep. Eur., i, no. 3786, 1901.

syn. *aberrata* Hy. Edwards, Pap., iv, 47, 1887; *taylori* Butler, Ann. Mag. Nat. Hist., (6), xii, 18, 1893.

LYCHNOSEA Grote.

Grote, Trans. Kans. Acad. Sci., viii, 52, 1882; Hulst, Trans. Am. Ent. Soc., xxiii, 367, 1896.

3892. **helviolaria** Hulst, Bull. Brook. Ent. Soc., iv, 33, 1881; Ent. Amer., ii, 50, 1882. — Col., N. Mex., Ariz.

syn. *aulularia* Grote, Trans. Kans. Acad. Sci., viii, 52, 1882.

3893. **intermicata** Walker, Cat. Brit. Mus., xxiv, 1076, 1862; Hulst, Ent. News, vi, 42, 105, 1895. — So. Atl. States.

syn. *perraria* Packard, Fifth Rept. Peab. Acad. Sci., 62, 1873; C. 206.

a. **interminaria** Grote, Can. Ent., ix, 90, 1877.

*3894. **runcinaria** Strecker, Lep. Rhop. Het., suppl. 2, 7, 1899. — Col.

STERGAMMATÆA Hulst.

Hulst, Trans. Am. Ent. Soc., xxxiii, 368, 1896.

*3895. **inornata** Hulst, Trans. Am. Ent. Soc., xxiii, 368, 1896. — Col.

MELEMÆA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 368, 1896.

*3896. **magdalena** Hulst, Trans. Am. Ent. Soc., xxiii, 368, 1896. — Col.

*3897. **morsicaria** Hulst, Ent. Amer., i, 203, 1896. — Tex.

ANAGOGA Hübner.

Hübner, Verz. bek. Schmett., 294, 1818; Packard, C. 486; Hulst, Trans. Am. Ent. Soc., xxiii, 369, 1896; *Azinophora* Stephens, Cat. 126, 1829; *Numeria* Duponchel, Hist. Nat., vii, 4, 107, 1829; Westwood & Humphreys, Brit. Moths, ii, 24, 1849; Hofmann, Gr. Schm. Eur., 170, 1892.

3898. **pulveraria** Linnæus, Syst. Nat., 521, 1758; Guenée, Spec. Gén., x, 137, 1857; Staudinger & Rebel, Cat. Lep. Eur., i, no. 3715, 1901. — Eur., No. U. S.

a. **occiduaria** Walker, Cat. Brit. Mus., xxiii, 1016, 1861; Packard, C. 487; Hulst, Ent. Amer., ii, 51, 1886; Ent. News, vi, 12, 1895.

syn. *plagifasciata* Walker, Cat. Brit. Mus., xxvi, 1508, 1862; Packard, C. 487.

NEOTERPES Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 369, 1896.

3899. **ephelidaria** Hulst, Ent. Amer., ii, 120, 1886. — Rocky Mts.

a. **kunzei** Hulst, Can. Ent., xxx, 215, 1898.

*3900. **snoviaria** Hulst, Ent. Amer., iii, 213, 1887. — Rocky Mts.

3901. **edwardsata** Packard, Proc. Bost. Soc. Nat. Hist., xiii, 383, 1871; C. 478; Strecker, Surv. Dept. Mo., Ruffner, app. 88, 1863, 1878. — Cal., Ariz., Alaska.

SICYA Guenée.

Guenée, Spec. Gén., ix, 104, 1857; Packard, C. 479; Hulst, Trans. Am. Ent. Soc., xxiii, 370, 1896.

3902. **macularia** Harris, Lake Superior, Agassiz, 392, 1850; Packard, C. 480; Hulst, Ent. News, vi, 14, 1895. — U. S.

syn. *solfataria* Guenée, Spec. Gén., ix, 104, 1857; Walker, Cat. Brit. Mus., xx, 134, 1860; *sublimaria* Guenée, Spec. Gén., ix, 105, 1857; *calipusaria* Walker, Cat. Brit. Mus., xx, 120, 1860.

a. **truncataria** Guenée, Spec. Gén., ix, 104, 1857.

syn. *argyllaria* Walker, Cat. Brit. Mus., xx, 121, 1860; *crocearia* Packard, Proc. Bost. Soc. Nat. Hist., xvi, 36, 1874.

b. **faustinaria** Strecker, Lep. Rhop. Het., suppl. 2, 7, 1899.

THERINA Hübner.

HÜBNER, Verz. bek. Schmett., 283, 1818; PACKARD, C. 492; HULST, Trans. Am. Ent. Soc., xxiii, 370, 1896; *Hylæa* HÜBNER (not [a]), Tentamen, 1810; *Ellopia* TREITSCHKE, Schmett. Eur., vi, 1, 89, 1827; PACKARD, C. 492.

3903. **vitraria** GROTE, Trans. Kans. Acad. Sci., viii, 51, 1882. — Rocky Mts.

*3904. **punctata** HULST, Can. Ent., xxx, 215, 1899. — Col.

*3905. **fatuaria** STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899. — Can.

*3906. **læta** HULST, Can. Ent., xxxii, 107, 1900. — N. Mex.

3907. **pellucidaria** GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 25, 1867; PACKARD, C. 495; GROTE, Can. Ent., xiv, 108, 1882; HULST, Ent. Amer., ii, 51, 1886; Ent. News, vi, 14, 1895; DYAR, Psyche, ix, 21, 1900. — Atl. States.

3908. **endropiaria** GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 26, 1867; PACKARD, C. 495; GOODELL, Can. Ent., xi, 194, 1879; GROTE, Can. Ent., xiv, 109, 1882; HULST, Ent. Amer., ii, 51, 1886; DYAR, Psyche, viii, 407, 1899. — Atl. States.

3909. **athasiaria** WALKER, Cat. Brit. Mus., xx, 163, 1860; HULST, Ent. News, vi, 14, 1895; DYAR, Psyche, ix, 10, 1900. — Atl. States.

syn. *siccaria* WALKER, Cat. Brit. Mus., xxvi, 1547, 1866; *seminudata* WALKER, Cat. Brit. Mus., xxvi, 1508, 1862; *seminudaria* PACKARD, C. 495; *bibularia* GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 24, 1867.

3910. **fiscellaria** GUENÉE, Spec. Gén., ix, 133, 1857; WALKER, Cat. Brit. Mus., xx, 161, 1860; HULST, Ent. Amer., ii, 50, 1886; Ent. News, vi, 14, 1895. — Atl. States, Col.

syn. *flagitiaria* GUENÉE, Spec. Gén., ix, 133, 1857; *panisaria* WALKER, Cat. Brit. Mus., xx, 163, 1860; *æqualiaria* WALKER, Cat. Brit. Mus., xx, 164, 1860.

3911. **fervidaria** HÜBNER, Zutr. exot. Schmett., f. 409, 1818; PACKARD, C. 493; HULST, Ent. Amer., ii, 50, 1886; Ent. News, vi, 14, 1895. — Atl. States.

syn. *pultaria* GUENÉE, Spec. Gén., ix, 131, 1857; PACKARD, C. 496; *sciata* WALKER, Cat. Brit. Mus., xxvi, 1510, 1862; *inverata* WALKER, Cat. Brit. Mus., xxvi, 1512, 1862.

a. **somniaria** HULST, Ent. Amer., i, 308, 1886; FLETCHER, Rept. Exp. Farms Can., 176, 1891; RILEY, Ins. Life, iii, 360, 1891.

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[a] Preoccupied, according to Hulst's manuscript, but I can not find by what.

3912. **lugubrosa** HULST, Can. Ent., xxxii, 106, 1900. B. C.

*3912. 1. **cavillaria** HULST, Ent. Amer., i, 203, 1886. Ariz.

METROCAMPA Latreille.

LATREILLE, Cons. Gen., 366, 1810; Fam. Nat., 477, 1825; PACKARD, C. 490; MEYRICK, Trans. Ent. Soc. Lond., 111, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 370, 1896; *Campæa* LAMARCK, Hist. Nat., iii, 568, 1817.

3913. **prægrandaria** GUENÉE, Spec. Gén., ix, 128, 1857; WALKER, Cat. Brit. Mus., xx, 157, 1860; HULST, Ent. News, vi, 104, 1895. No. U. S.

syn. *perlata* GUENÉE, Spec. Gén., ix, 128, 1857; STRECKER, Surv. Dept. Mo., Ruffner, app. 88, 1863, 1878; BUTLER, Pap., ii, 21, 1881; MÖSCHLER, Verh. zool.-bot. Ges. Wien, 298, 1884; *perlaria* PACKARD, C. 491; *viridoperlata* PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 38, 1874.

SLOSSONIA Hulst.

HULST, Can. Ent., xxx, 216, 1898.

3914. **rubrotincta** HULST, Can. Ent., xxx, 217, 1898. Cal.

3915. **latipennis** HULST, Can. Ent., xxx, 217, 1898. Fla.

EUGONOBAPTA Warren.

WARREN, Nov. Zool., i, 405, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 371, 1896.

3916. **nivosaria** GUENÉE, Spec. Gén., ix, 499, 1857. Atl. States.

syn. *nivosata* PACKARD, C. 338; HULST, Ent. News, v, 304, 1894.

*3917. **constans** HULST, Can. Ent., xxx, 216, 1898. Ariz.

*3918. **ochreata** HULST, Can. Ent., xxx, 216, 1898. Ariz.

*3919. **brunneolineata** HULST, Jn. N. Y. Ent. Soc., viii, 218, 1901. Fla.

RIPULA Guenée.

GUENÉE, Spec. Gén., ix, 34, 1857; HULST, Trans. Am. Ent. Soc., xxiii, 371, 1896.

3920. **vestalis** HULST, Can. Ent., xxx, 215, 1898. Fla.

*3921 **virginaria** HULST, Ent. Amer., i, 202, 1886. Fla.

ENNOMOS Treitschke.

TREITSCHKE, Schm. Eur., vi, 1, 3, 1827; DUPONCHEL, Hist. Nat., vii, 4, 126, 1829; BOISDUVAL, Ind. Gén., 182, 1840; DUPONCHEL, Cat., 218, 1844; WESTWOOD & HUMPHREYS, Brit. Moths, 2, 81, 1849; GUENÉE, Spec. Gén., ix, 173, 1857; WALKER, Cat. Brit. Mus., xx, 204, 1860; HOFMANN, Gr. Schm. Eur., 171, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 371, 1896; *Eugonia* HÜBNER (not [a]), Verz. bek. Schmett., 291, 1818; PACKARD, C. 527; KIRBY, Eur. Butt., 298, 1882; *Odoptera* SODOFFSKY, Bull. Imp. Soc. Mosc., 125, 1837; STEPHENS, Cat. Brit. Ins., 165, 1850.

3922. **subsignarius** HÜBNER, Samml. exot. Schmett., ii, 1806; GRAEF, Rept. Brook. Hort. Soc., —, 1862; PACKARD, C. 528; Am. Nat., ii, 333, 1868; Bull. U. S. Ent. Comm., vii, 62, 1881; GROTE, Bull. Geol. Surv. Terr., Hayden, vi, 588, 1882; DODGE, Can. Ent., xiv, 30, 1882; FRENCH, Trans. Dept. Agr. Ill., xv, 243, 1877; SAUNDERS, Ins. Inj. Fruits, 111, 1883; WALSH, Pract. Ent., i, 57, 1866. — Atl. States, Col.

syn. *niveosericeata* JONES, Proc. Ent. Soc. Phil., i, 31, 1861.

3923. **magnarius** GUENÉE, Spec. Gén., ix, 174, 1857; WALKER, Cat. Brit. Mus., xx, 205, 1860; HULST, Ent. Amer., ii, 49, 1884; iv, 49, 1886; DIMMOCK, Psyche, iv, 272, 1885; SNELLEN, Neder. Ent. Ver., xxix, 137, 1874. — No. U. S.

syn. *alniaria* PACKARD (not LINNÆUS), C. 529; Bull. U. S. Ent. Comm., vii, 92, 1881; *autumnaria* MÖSCHLER (not WERNEBURG), Verh. zool.-bot. Ges. Wien, 299, 1884; *lutaria* WALKER, Cat. Brit. Mus., xxxv, 1552, 1866; PACKARD, C. 531.

*3924. **ochreatus** HULST, Can. Ent., xxx, 218, 1898. — Col.

XANTHOTYPE Warren.

WARREN, Nov. Zool., i, 463, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 372, 1896.

3925. **crocataria** FABRICIUS, Ent. Syst., suppl., 146, 1794; PACKARD, C. 474; Rept. Geol. Surv. Terr., v, 554, 1873; SAUNDERS, Rept. Ent. Soc. Ont., ii, 87, 1870; Ins. Inj. Fruits, 348, 1883; FRENCH, Trans. Dept. Agr. Ill., xv, 243, 1877; FORBES, Trans. Dept. Agr. Ill., xxi, 80, 1883; DYAR, Ent. News, v, 62, 1894; v. GUMPPENBERG, Nov. Act. Halle, xlix, 396, 1887; DYAR, Psyche, ix, 226, 1901. — Atl. States.

syn. *citrina* HÜBNER, Zutr. exot. Schmett., f. 499, 1825.

a. **cælaria** HULST, Ent. Amer., i, 208, 1886.

PLAGODIS Hübner.

HÜBNER, Verz. bek. Schmett., 294, 1818; PACKARD, C. 465; HULST, Trans. Am. Ent. Soc., xxiii, 372, 1896; *Eurymene* DUPONCHEL, Hist. Nat., vii, 185, 1829; KIRBY, Eur. Butt., 302, 1882; HOFMANN, Gr. Schm. Eur., 173, 1894.

*3926. **kempii** HULST, Jn. N. Y. Ent. Soc., viii, 220, 1901.

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[a] Preoccupied, according to Hulst's manuscript.

3927. **serinaria** HERRICH-SCHAEFFER, Ausser. Schmett., f. 365, 1855; PACKARD, C. 469; HULST, Ent. Amer., ii, 52, 1886; Ent. News, vi, 14, 1895. — Atl. States.

syn. *subprivata* WALKER, Cat. Brit. Mus., xxvi, 1509, 1862; *floscularia* GROTE, Pap., i, 40, 1881; Can. Ent., xiv, 109, 1889; Pap., ii, 83, 1882.

a. **rosaria** GROTE, Bull. Buff. Soc., iii, 131, 1876.

3928. **keutzingi** GROTE, Can. Ent., viii, 112, 1876; viii, 154, 1876. — Atl. States.

syn. *keutzingaria* PACKARD, C. 468.

a. **nigrescaria** HULST, Ent. Amer., ii, 212, 1887; PACKARD, C. pl. 13, f. 54.

3929. **fervidaria** HERRICH-SCHAEFFER, Ausser. Schmett., f. 203, 1855; PACKARD, C. 467; Rept. U. S. Ent. Comm., 328, 1886; HULST, Ent. News, vi, 104, 1895.

syn. *excurvaria* MORRISON, Bull. Buff. Soc., i, 189, 1873.

3930. **alcoolaria** GUENÉE, Spec. Gén., ix, 146, 1857; PACKARD, C. 469. — No. Atl. States.

3931. **phlogosaria** GUENÉE, Spec. Gén., ix, 146, 1857; PACKARD, C. 466. — No. Atl. States.

3932. **emargataria** GUENÉE, Spec. Gén., ix, 145, 1857; HULST, Ent. News, vi, 104, 1896. — No. Atl. States.

syn. *arrogaria* HULST, Ent. Amer., i, 208, 1886.

3933. **approximaria** DYAR, Can. Ent., xxxi, 266, 1899. — No. Pac States.

HYPERITIS Guenée.

GUENÉE, Spec. Gén., ix, 117, 1857; PACKARD, C. 460; HULST, Trans. Am. Ent. Soc., xxiii, 373, 1896; *Probole* HERRICH-SCHAEFFER (not WESMAEL), Ausser. Schmett., 83, 1855.

3934. **amicaria** HERRICH-SCHAEFFER, Ausser. Schm., f. 361, 1855; HULST, Ent. Amer., ii, 52, 1886; iii, 114, 1887; Ent. News, vi, 40, 1895; DYAR, Ent. News, v, 62, 1894. — Atl. States.

syn. *nyssaria* GUENÉE, Spec. Gén., ix, 118, 1857; PACKARD, C. 461; *exsimaria* GUENÉE, Spec. Gén., ix, 118, 1857; *persinuaria* GUENÉE, *insinuaria* GUENÉE, *subsinuaria* GUENÉE, *laticincta* WALKER, Cat. Brit. Mus., xxi, 295, 1860; *neominaria* WALKER, Cat. Brit. Mus., xx, 186, 1860; *neonaria* PACKARD, C. 461; *æsionaria* WALKER, Cat. Brit. Mus., xx, 183, 1860.

a. **alienaria** HERRICH-SCHAEFFER, Ausser. Schm., f. 364, 1855; PACKARD, C. pl. 11, f. 38.

b. **nepiasaria** WALKER, Cat. Brit. Mus., xx, 146, 1860; PACKARD, C. pl. 13, f. 42.

*3935. **mollicularia** ZELLER, Verh. zool.-bot. Ges. Wien, xxxviii, 481, 1872; PACKARD, C. 485. — Tex.

3936. **trianguliferata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 384, 1871; C. 549; FRENCH, Can. Ent., xviii, 105, 1886. — Pac. States, Col.

3937. **notataria** HULST, Ent. Amer., i, 203, 1886. — Col., Cal., Alberta.

*3938. **indiscretata** HY. EDWARDS, Pap., iv, 48, 1884. — N. Mex.

ANIA Stephens.

STEPHENS, Ill., iii, 321, 1831; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 80, 1849; HULST, Trans. Am. Ent. Soc., xxiii, 373, 1896; *Microgonia* HERRICH-SCHAEFFER, Ausser. Schmett., 28, 1855; *Nematocampa* GUENÉE, Spec. Gén., ix, 120, 1857; PACKARD, C. 471.

3939. **limbata** HAWORTH, Lep. Brit., 346, 1829; HULST, Ent. Amer., ii, 52, 1886. — Atl. States.

syn. *vestitaria* HERRICH-SCHAEFFER, Ausser. Schmett., f. 368, 1855; *resistaria* HERRICH-SCHAEFFER, Ausser. Schmett., 41, 1855; GUENÉE, Spec. Gén., ix, 121, 1857; WALKER, Cat. Brit. Mus., xx, 147, 1860; *filimentaria* GUENÉE, Spec. Gén., ix, 120, 1857; PACKARD, C. 471; FRENCH, Trans. Dept. Agr. Ill., xv, 242, 1877; COQUILLETT, Trans. Dept. Agr. Ill., xviii, 148, 1880.

a. **expunctaria** GROTE, Can. Ent., iv, 101, 1872; xiv, 110, 1882.

GONODONTIS Hübner.

HÜBNER, Verz. bek. Schmett., 287, 1818; MEYRICK, Trans. Ent. Soc. Lond., 115, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 373, 1896; *Epirranthis* HÜBNER, Verz. bek. Schmett., 296, 1818; PACKARD, C. 498; *Odontoptera* STEPHENS, Ill., iii, 162, 1831; GUENÉE, Spec. Gén., ix, 164, 1857; LEDERER, Verh. zool.-bot. Ges. Wien, 204, 1853; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 11, 1849; KIRBY, Eur. Butt., 298, 1882; *Metarranthis* WARREN, Nov. Zool., i, 436, 1894.

*3940. **hilumaria** HULST, Ent. Amer., i, 206, 1886. — Rocky Mts.

3941. **hypochraria** HERRICH-SCHAEFFER, Ausser. Schmett., f. 207, 1855; PACKARD, C. 504; HULST, Ent. News, vi, 15, 1896; BUTLER, Ann. Mag. Nat. Hist., (5), viii, 30, 1881; DYAR, Ent. News, v, 61, 1894; PSYCHE, viii, 415, 1899. — Atl. States.

syn. *refractaria* GUENÉE, Spec. Gén., ix, 125, 1857; WALKER, Cat. Brit. Mus., xx, 151, 1860; *mestusata* WALKER, Cat. Brit. Mus., xx, 154, 1860.

a. **lateritiaria** GUENÉE, Spec. Gén., ix, 125, 1857; WALKER, Cat. Brit. Mus., xx, 151, 1860.

syn. *fudaria* WALKER, Cat. Brit. Mus., xxxv, 1548, 1866; PACKARD, C. 523; *indeclinata* WALKER, Cat. Brit. Mus., xxiii, 888, 1861.

b. **homuraria** GROTE, Trans. Am. Ent. Soc., ii, 80, 1875; Pap., ii, 100, 1882; Can. Ent., ix, 89, 1877.

3943. **warneri** HARVEY. Bull. Buff. Soc., ii, 121, 1874; GROTE, Cat. Ent., xiv, 106, 1881; HULST, Ent. News, vi, 40, 1895; Ent. Amer., ii, 50, 1886; Ent. News, vi, 15, 1895. — No. Atl. States.

syn. *apicularia* PACKARD, C. 502.

3944. **duaria** GUENÉE, Spec. Gén., ix, 135, 1857; PACKARD, C. 502; HULST, Ent. News, vi, 15, 1895; DYAR, Psyche, ix, 371, 1902. — Atl. States, Col.

syn. *hamaria* GUENÉE, Spec. Gén., ix, 136, 1857; *agreasaria* WALKER, Cat. Brit. Mus., xx, 252, 1860; PACKARD, C. 537; *adustaria* WALKER, Cat. Brit. Mus., xxxv, 1545, 1866.

a. **pilosaria** PACKARD, C. 501, 1876.

*3945. **barnesii** HULST, Trans. Am. Ent. Soc., xxiii, 374, 1896. — Col.

3946. **formosa** HULST, Trans. Am. Ent. Soc., xxiii, 375, 1896. — Col., Cal., Nev.

3947. **obfirmaria** HÜBNER, Samml. exot. Schmett., ii, 1806; PACKARD, C. 499. — Atl. States.

3948. **distycharia** GUENÉE, Spec. Gén., ix, 83, 1857; WALKER, Cat. Brit. Mus., xx, 104, 1860; HULST, Ent. News, vi, 13, 1895. — Tex.

syn. *cayennaria* PACKARD (not Guenée), C. 533.

*3949. **antidiscaria** WALKER, Cat. Brit. Mus., xxvi, 1513, 1862; PACKARD, C. pl. 13, f. 54; HULST, Ent. Amer., iii, 113, 1887; Ent. News, vi, 14, 1895. — Fla.

syn. *lenturia* HULST, Ent. Amer., i, 257, 1886.

EUCHLÆNA Hübner.

HÜBNER, Verz. bek. Schmett., 293, 1818; MEYRICK, Trans. Ent. Soc. Lond., 112, 1892; HULST, Trans. Am. Ent. Soc., xxiii, 275, 1896; *Endropia* GUENÉE, Spec. Gén., ix, 122, 1857; PACKARD, C. 499.

*3950. **geniculata** HULST, Ent. Amer., i, 204, 1886. — Col.

*3951. **argillaria** HULST, Ent. Amer., i, 204, 1886. — Ariz., Cal.

*3952. **galbanaria** HULST, Ent. Amer., i, 204, 1886. — Ariz.

*3953. **manubriaria** HULST, Ent. Amer., i, 207, 1886. — Col.

3954. **serrata** DRURY, Ill. Exot. Ent., ii, pl. 20, f. 4, 1770; EMMONS, Nat. Hist. N. Y. Agr., v, pl. 40, f. 6, 1854; GROTE, Can. Ent., viii, 152, 1876; HULST, Ent. News, vi, 105, 1895; DYAR, Psyche, ix, 130, 1900. — Atl. States.

syn. *serrataria* PACKARD, C. 517; *concisaria* WALKER, Cat. Brit. Mus., xxvi, 1551, 1862; PACKARD, C. 530.

3956. **obtusaria** HÜBNER, Schm. Eur., f. 390, 1835?; PACKARD, C. 516; HULST, Ent. News, vi, 40, 1895. — Atl. States.

syn. *propriaria* WALKER, Cat. Brit. Mus., xx, 249, 1860; *decisaria* WALKER, Cat. Brit. Mus., xx, 47, 1860.

a. **tigrinaria** GUENÉE, Spec. Gén., ix, 123, 157; WALKER, Cat. Brit. Mus., xx, 149, 1860.

3957. **effectaria** WALKER, Can. Nat., v, 260, 1860; Cat. Brit. Mus., xxvi, 1504, 1862; PACKARD, C. 514; BUTLER, Pap., i, 220, 1881; HULST, Ent. News, vi, 40, 1895. — Atl. States.

a. **muzaria** WALKER, Cat. Brit. Mus., xx, 154, 1860; PACKARD, C. 516.

*3958. **occantaria** HULST, Ent. Amer., i, 207, 1886. — Nev., Wash.

*3959. **amethystaria** STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1899. — Fla.

3960. **johnsonaria** FITCH, Trans. N. Y. Agr. Soc., xiii, 530, 1853; HULST, Ent. News, vi, 106, 1895. — Atl. States.

syn. *bilinearia* PACKARD, New and Little Known Ins., 13, 1870; C. 511; EMMONS, Nat. Hist. N. Y. Agr., v, 249, 1854; FRENCH, Trans. Dept. Agr. Ill., xv, 243, 1877; BRUCE, Ent. Amer., iii, 47, 1887.

a. **mollisaria** HULST, Ent. Amer., i, 206, 1886.

b. **minoraria** HULST, Ent. Amer., i, 206, 1886.

3961. **amœnaria** GUENÉE, Spec. Gén., ix, 124, 1857; PACKARD, C. 509; GROTE, Can. Ent., xiv, 108, 1882; HULST, Ent. Amer., ii, 50, 1886. — Atl. States.

syn. *deplanaria* WALKER, Cat. Brit. Mus., xxvi, 1510, 1862; PACKARD, C. 498; *arefactaria* GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 13, 1867.

*3962. **vinulentaria** GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 15, 1867; PACKARD, C. 506; HULST, Ent. News, vi, 40, 1895. — Atl. States.

3963. **astylusaria** WALKER, Cat. Brit. Mus., xx, 152, 1860; HULST, Ent. News, vi, 40, 1895. — Atl. States.

syn. *madusaria* WALKER, Cat. Brit. Mus., xx, 153, 1860; PACKARD, C. 508; BUTLER, Pap., i, 220, 1881; GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 81, 1868; Can. Ent., xiv, 108, 1882; *opomearia* WALKER, Cat. Brit. Mus., xx, 153, 1860; *vinosaria* GROTE & ROBINSON, Ann. N. Y. Lyc. Nat. Hist., viii, 17, 1867.

a. **tiviaria** WALKER, Cat. Brit. Mus., xx, 250, 1860.

3964. **marginata** MINOT, Proc. Bost. Soc. Nat. Hist., xi, 169, 1869; PACKARD, C. 505. — Atl. States.

3965. **pectinaria** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien., 103, 6, 1776; PACKARD, C. 513; DYAR, Psyche, ix, 344, 1902 (*pectinria*). — Atl. States.

syn. *deductaria* WALKER, Cat. Brit. Mus., xx, 151, 1860.

*3966. **sirenaria** STRECKER, Lep. Rhop. Het., suppl. 2, 7, 1899. — Atl. States.

3967. **sesquilinearia** GROTE, Can. Ent., xv, 125, 1883. — Ariz.

3968. **falcata** PACKARD, Proc. Bost. Soc. Nat. Hist., xvi, 39, 1874; C. 557; BUTLER, Pap., i, 220, 1881. — Cal.

*3969. **abnormalis** HULST, Jn. N. Y. Ent. Soc., viii, 220, 1901. — Man.

EUTRAPELA Hübner.

HÜBNER, Tentamen, 1810; *Selenia* HÜBNER, Verz. bek. Schmett., 292, 1818; PACKARD, C. 524; MEYRICK, Trans. Ent. Soc. Lond., 113, 1892; HOFMANN, Gr. Schm. Eur., 171, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 376, 1896; KIRBY, Eur. Butt., 300, 1882.

3970. **alciphearia** WALKER, Cat. Brit. Mus., xx, 184, 1860; HULST, Ent. Amer., iii, 113, 1887; DYAR, Psyche, viii, 395, 1899. — No. U. S.

3971. **kentaria** GROTE, Trans. Am. Ent. Soc., i, 359, 1865; iv, 1, 1867; Pap., ii, 100, 1882; HULST, Ent. Amer., ii, 162, 1886; iii, 113, 1887; BRUCE, Ent. Amer., iii, 47, 1887; Pap., ii, 81, 1882. — Atl. States.

*3972. **perangulata** HULST, Trans. Am. Ent. Soc., xxiii, 376, 1896. — Col.

EPIPLATYMETRA Grote.

GROTE, Can. Ent., v, 145, 1873; viii, 153, 1876; HULST, Trans. Am. Ent. Soc., xxiii, 376, 1896.

3973. **coloradaria** GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 12, 1867; Can. Ent., xiv, 107, 1882; PACKARD, C. 550; STRECKER, Surv. Dept. Mo., Ruffner, App. 88, 1863, 1878. — Col.

*3974. **grotearia** PACKARD, C. 553, 1876; GROTE, Can. Ent., xv, 125, 1883. — Rocky Mts.

syn. *vidularia* GROTE, Can. Ent., xiv, 173, 1882; xv, 25, 1883; HULST, Ent. Amer., ii, 49, 1886.

SYNAXIS Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 377, 1896.

*3975. **fuscata** HULST, Can. Ent., xxx, 217, 1898. — Col.

*3976. **pallulata** HULST, Ent. Amer., ii, 211, 1887. — Oreg.

*3977. **oblentaria** GROTE, Can. Ent., xv, 126, 1883. — Cal., Ariz.

PHERNE Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 377, 1896.

3978. **parallelia** Packard, Proc. Bost. Soc. Nat. Hist., xvi, 38, 1874. — Cal.

syn. *parallelaria* Packard, C. 551; Hulst, Ent. Amer., i, 202, 1886; ii, 48, 1886.

*3979. **jubararia** Hulst, Ent. Amer., ii, 120, 1886. — Wash.

3980. **placearia** Guenée, Spec. Gén., i, 132, 1857; Packard, C. 497; Hulst, Ent. News, vi, 104, 1895. — Cal.

syn. *mellitularia* Hulst, Ent. Amer., i, 202, 1896.

METANEMA Guenée.

Guenée, Spec. Gén., ix, 171, 1857; Packard, C. 542; Hulst, Trans. Am. Ent. Soc., xxiii, 378, 1896.

3981. **inatomaria** Guenée, Spec. Gén., ix, 171, 1857; Packard, C. 543; Bruce, Ent. Amer., iii, 47, 1887. — U. S.

3982. **determinata** Walker, Cat. Brit. Mus., xxxv, 1551, 1866; Hulst, Ent. News, vi, 14, 1895. — No. Atl. States.

syn. *carnaria* Packard, Fifth Rept. Peab. Acad. Sci., 80, 1873; C. 542.

*3983. **subpunctata** Hulst, Can. Ent., xxx, 218, 1898. — Cal.

3984. **excelsa** Strecker, Surv. Dept. Mo., Ruffner, App. 88, 1863, 1878. — Rocky Mts.

a. **simpliciaria** Grote, Can. Ent., xv, 127, 1883; Hulst, Ent. Amer., ii, 48, 1886.

*3985. **vanusaria** Strecker, Lep. Rhop. Het., suppl. 2, 6, 1899. — N. Mex.

3986. **quercivoraria** Guenée, Spec. Gén., ix, 172, 1857; Packard, C. 544; Ins. Inj. For. Trees, 51, 1881; Hulst, Ent. News, vi, 14, 1895. — Atl. States.

syn. *æliaria* Walker, Cat. Brit. Mus., xx, 260, 1860; *trilinearia* Packard, C. 542.

*3987. **incongruaria** Hulst, Ent. Amer., ii, 212, 1887. — Ont.

3988. **textrinaria** Grote & Robinson, Ann. N. Y. Lyc. Nat. Hist., viii, 15, 1867; Packard, C. 507; Am. Nat., xviii, 934, 1884; Grote, Pap., ii, 100, 1882; Hulst, Ent. Amer., ii, 49, 1896. — Atl. States.

*3989. **forficularia** Guenée, Spec. Gén., ix, 172, 1857 (type lost). — Cal.

PRIOCYCLA Guenée.

Guenée, Spec. Gén., ix, 90, 1857; Walker, Cat. Brit. Mus., xx, 114, 1860; *Prycocyla* Hulst, Trans. Am. Ent. Soc., xxiii, 378, 1896.

3990. **armantaria** Herrich-Schaeffer, Ausser. Schmett., f. 373, 1855; Packard, C. 510; Rept. Dept. Agr. 83, 1871; Saunders, Can. Ent., iii, 130, 1871; Ins. Inj. Fruits, 354, 1883; Fitch, Rept. Ins. N. Y., xiii, 522, 1869. — Atl. States.

*3991. **decoloraria** Hulst, Ent. Amer., i, 207, 1886. — Atl. States.

*3992. **jucundaria** Strecker, Lep. Rhop. Het., suppl. 2, 7, 1899. — Md.

SNOWIA Neumoegen.

Neumoegen, Pap., iv, 95, 1884; Hulst, Trans. Am. Ent. Soc., xxiii, 379, 1896.

*3993. **montanaria** Neumoegen, Pap., iv, 96, 1884. — Col.

STENASPILATES Packard.

Packard, C. 212, 1876; Hulst, Trans. Am. Ent. Soc., xxiii, 379, 1896.

3994. **zalissaria** Walker, Cat. Brit. Mus., xx, 187, 1860; Packard, C. 522; Hulst, Ent. Amer., iii, 113, 1888. — Fla.

*3995. **inviolata** Hulst, Can. Ent., xxx, 218, 1898. — Ariz.

*3996. **radiosaria** Hulst, Ent. Amer., i, 206, 1886. — Ariz.

*3997. **muricolor** Hulst, Trans. Am. Ent. Soc., xxiii, 379, 1896. — Tex.

3998. **meskearia** Packard, C. 213, 1876; Hulst, Ent. Amer., ii, 141, 1887. — Rocky Mts.

syn. *arizonaria* Hy. Edwards, Pap., ii, 130, 1882.

a. **albomacularia** Hy. Edwards, Pap., ii, 130, 1882.

3999. **albidula** Hulst, Can. Ent., xxiii, 107, 1900. — Col., N. Mex.

MARMAREA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 379, 1896.

*4000. **occidentalis** Hulst, Trans. Am. Ent. Soc., xxiii, 380, 1896. — Cal., Ariz.

a. **peplarioides** Hulst, Can. Ent., xxx, 218, 1898.

AZELINA Guenée.

GUENÉE, Spec. Gén., ix, 156, 1857; PACKARD, C. 520; MEYRICK, Trans. N. Zeal. Inst., 106, 1883; HULST, Trans. Am. Ent. Soc., xxiii, 380, 1896.

4001. **ancetaria** HÜBNER, Samml. exot. Schmett., ii, 1806. — U. S.

syn. *hubneraria* GUENÉE, Spec. Gén., ix, 159, 1857; PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 386, 1871; BUTLER, Ann. Mag. Nat. Hist., (5), viii, 33, 1881; *hubnerata* PACKARD, C. 520; *homestaria* WALKER, Cat. Brit. Mus., xx, 258, 1860.

a. **peplaria** HÜBNER, Zutr. exot. Schmett., f. 709, 1832; HULST, Ent. Amer., ii, 49, 1886; Ent. News, vi, 14, 1895.

syn. *stygiaria* WALKER, Cat. Brit. Mus., xxxv, 1548, 1866; *atrocolorata* HULST, Ent. Amer., i, 205, 1885.

b. **morrisonata** HY. EDWARDS, Pap., i, 121, 1881; HULST, Ent. Amer., ii, 249, 1886.

4002. **behrensata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 386, 1871; C. 521. — Cal.

SYSSAURA Hübner.

HÜBNER, Verz. bek. Schmett., 150, 1818; WARREN, Nov. Zool., i, 458, 1894; *Patalene* HERRICH-SCHAEFFER, Ausser. Schmett., 80, 1855; *Microsemia* HERRICH-SCHAEFFER, Ausser. Schmett., 83, 1855; *Hyperytha* GUENÉE, Spec. Gén., i, 99, 1857; WALKER, Cat. Brit. Mus., xx, 124, 1860; *Hypsoridra* BUTLER, Proc. Zool. Soc. Lond., 492, 1878; *Drepanodes* PACKARD, C. 537.

4003. **siculata** GUENÉE, Spec. Gén., ix, 67, 1857; HULST, Ent. News, vi, 103, 1895. — Va., Mont., Ariz.

syn. *perizomaria* HULST, Ent. Amer., i, 205, 1886.

*4004. **syzygyaria** HULST, Ent. Amer., ii, 121, 1886. — Fla.

4005. **infensata** GUENÉE, Spec. Gén., ix, 68, 1857; HULST, Ent. News, vi, 12, 1895. — So. Atl. States.

syn. *ephyrata* GUENÉE, Spec. Gén., ix, 69, 1857; *olyzomaria* WALKER, Cat. Brit. Mus., xx, 69, 1860; *æquosus* GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 22, 1867; *sesquilinea* GROTE, Can. Ent., ii, 114, 1870.

a. **biclaria** WALKER, Cat. Brit. Mus., xx, 73, 1860.

syn. *æmearia* WALKER, Cat. Brit. Mus., xx, 73, 1860; *pubes* GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 20, 1867; GROTE, Can. Ent., xiv, 107, 1882; *rarus* GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 21, 1867; PACKARD, C. 538; *juniperaria* PACKARD, First Rept. Ins. Mass., 22, 1871.

CABERODES Guenée

GUENÉE, Spec. Gén., ix, 135, 1857; PACKARD, C. 531; WARREN, Nov. Zool., i, 487, 1894; HULST, Trans. Am. Ent. Soc., xxiii, 381, 1896.

*4006. **juncturaria** GUENÉE. Spec. Gén., ix, 88, 1857; WALKER, Cat. Brit. Mus., xx, 102, 1860; HULST, Ent. News, vi, 103, 1895. — S.-E. U. S.

syn. *incopularia* GUENÉE, Spec. Gén., ix, 89, 1857; WALKER, Cat. Brit. Mus., xx, 112, 1860; *effascinaria* HULST, Ent. Amer., i, 204, 1886.

4007. **confusaria** HÜBNER, Samml. exot. Schmett., i, 1806; PACKARD, C. 534; BRUCE, Ent. Amer., iii, 47, 1887; HULST, Ent. News, vi, 13, 1895; FRENCH, Trans. Dept. Agr. Ill., xv, 244, 1877. — U. S.

syn. *remissaria* GUENÉE, *imbraria* GUENÉE, *superaria* GUENÉE, *ineffusaria* GUENÉE, *floridaria* GUENÉE, *phasianaria* GUENÉE, *interlinearia* GUENÉE, Spec. Gén., ix, 137–140, 1857; *varadaria* WALKER, Cat. Brit. Mus., xx, 251, 1860; ? *arburaria* WALKER, Cat. Brit. Mus., xx, 102, 1860; *amyrisaria* WALKER, *myandaria* WALKER, Cat. Brit. Mus., xx, 164, 1860.

a. **metrocamparia** GUENÉE, Spec. Gén., ix, 137, 1857.

syn. ? *eldanaria* WALKER, Cat. Brit. Mus., xx, 170, 1860.

b. **minima** HULST, Can. Ent., xxx, 219, 1898.

4008. **majoraria** GUENÉE, Spec. Gén., ix, 138, 1857; PACKARD, C. 536; HULST, Ent. News, vi, 13, 1895. — Atl. States, Col.

syn. *pandaria* WALKER, Cat. Brit. Mus., xx, 173, 1860; PACKARD, C. 534.

*4008.1. **subochrearia** HULST, Can. Ent., xxxii, 107, 1900. — N. J.

OXYDIA Guenée.

GUENÉE, Spec. Gén., ix, 52, 1857; HULST, Trans. Am. Ent. Soc., xxiii, 382, 1896.

*4009. **zonulata** HULST, Ent. Amer., i, 201, 1886. — Tex.

4010. **vesulia** CRAMER, Pap. Exot., iii, pl. 240, f. B, 1782; WALKER, Cat. Brit. Mus., xx, 53, 1860; HULST, Ent. News, vi, 13, 1895. — Fla.

syn. *resuliata* GUENÉE, Spec. Gén., ix, 60, 1857; HULST, Ent. Amer., ii, 47, 1886; *peosinata* GUENÉE, *distichata* GUENÉE, *nimbata* GUENÉE, Spec. Gén., ix, 59, 1857; *saturniata* GUENÉE, *agliata* GUENÉE, *gastropachata* GUENÉE, Spec. Gén., ix, 62, 1857; WALKER, Cat. Brit. Mus., xx, 55, 1860; *transponens* WALKER, Cat. Brit. Mus., xx, 20, 1860; *vitiligata* FELDER, Reise Nov., Lep., pl. 122, f. 17, 1873.

TETRACIS Guenée.

Guenée, Spec. Gén., ix, 140, 1857; Packard, C. 546; Hulst, Trans. Am. Ent. Soc., xxiii, 382, 1896.

4011. **crocallata** Guenée, Spec. Gén., ix, 141, 1857; Packard, C. 548; Goodell, Can. Ent., xi, 193, 1879; Minot, Can. Ent., ii, 28, 1869; Bruce, Ent. Amer., iii, 47, 1887; Hulst, Ent. News, vi, 13, 1895. — Atl. States.

syn. *alledinsaria* Walker, Cat. Brit. Mus., xx, 253, 1860.

a. **aspilata** Guenée, Spec. Gén., ix, 141, 1857; Walker, Cat. Brit. Mus., xx, 173, 1860.

4012. **hyperborea** Hulst, Proc. Wash. Acad. Sci., ii, 496, 1900; Journ. N. Y. Ent. Soc., viii, 220, 1901. — Alaska.

SABULODES Guenée.

Guenée, Spec. Gén., ix, 42, 1857; Hulst, Trans. Am. Ent. Soc., xxiii, 382, 1896; *Cherodes* Guenée (not White), Spec. Gén., ix, 35, 1857; *Antepione* Packard, C. 484; *Procherodes* Grote, Ann. Mag. Nat. Hist., (5), xi, 55, 1883.

4013. **sulphurata** Packard, Fifth Rept. Peab. Acad. Sci., 79, 1873; C. 484. — Atl. States.

a. **imitata** Hy. Edwards, Pap., iv, 48, 1884.

4014. **arcasaria** Walker, Cat. Brit. Mus., xx, 131, 1860. — Atl. States.

syn. *depontanata* Grote, Proc. Ent. Soc. Phil., iii, 90, 1864; Packard, C. 483.

4015. **novellata** Hulst, Ent. Amer., i, 204, 1886. — Ariz.

4016. **lorata** Grote, Proc. Ent. Soc. Phil., iii, 91, 1864; Can. Ent., xiv, 107, 1882; Minot, Can. Ent., ii, 28, 1869; Packard, C. 547; Goodell, Can. Ent., ix, 62, 1876; Bruce, Ent. Amer., iii, 47, 1887. — Atl. States.

4017. **truxaliata** Guenée, Spec. Gén., ix, 142, 1857; Packard, C. 554; Hulst, Ent. Amer., ii, 47, 1886. — Col., Cal.

4018. **cervinaria** Packard, Proc. Bost. Soc. Nat. Hist., xiii, 386, 1871; C. 552; Hulst, Ent. Amer., ii, 47, 1886. — Cal.

4019. **aurantiacaria** Packard, Proc. Bost. Soc. Nat. Hist., xvi, 34, 1874; C. 551; Hulst, Ent. Amer., ii, 47, 1886. — Cal., Nev., B. C.

4020. **caberata** Guenée, Spec. Gén., ix, 45, 1857; Walker, Cat. Brit. Mus., xx, 34, 1860; Hulst, Ent. News, v, 303, 1894; vi, 13, 1895. — Cal.

syn. *ægrotata* Guenée, Spec. Gén., ix, 141, 1857; Packard, C. 555; Butler, Pap., i, 221, 1881; ? *forficaria* Guenée, Spec. Gén., ix, 172, 1857; Packard, C. 545 (type lost); *arsenaria* Walker, Cat. Brit. Mus., xx, 260, 1860.

*4021. **nonangulata** STRECKER, Lep. Rhop. Het., suppl. 2, 6, 1899. — Tex.

4022. **anfractata** HULST, Ent. Amer., i, 202, 1886. — Rocky Mts., Cal.

4023. **catenulata** GROTE, Trans. Kans. Acad. Sci., viii, 56, 1883; Ann. Mag. Nat. Hist., (5), xi, 55, 1883. — Rocky Mts., Cal.

4024. **nubilata** PACKARD, Proc. Bost. Soc. Nat. Hist., xiii, 381, 1871; C. 558. — Cal.

*4025. **furciferata** PACKARD, Fifth Rept. Peab. Acad. Sci., 68, 1873; C. 559. — Atl. States.

4026. **transversata** DRURY, Ill. Exot. Ent., i, 16, 1770; PACKARD, C. 559; Bull. U. S. Ent. Comm., vii, 112, 1881; FRENCH, Trans. Dept. Agr. Ill., xv, 244, 1877; GOODELL, Can. Ent., xii, 236, 1880; EMMONS, Nat. Hist. N. Y. Agr., v, 249, 1854; BRUCE, Ent. Amer., iii, 47, 1887; HULST, Ent. News, vi, 13, 1895; DYAR, Psyche, ix, 273, 1901. — Atl. States.

syn. *transmutans* WALKER, Cat. Brit. Mus., xx, 17, 1860; *contingens* WALKER, Cat. Brit. Mus., xx, 18, 1860; *transfundens* WALKER, Cat. Brit. Mus., xx, 26, 1860.

a. **goniata** GUENÉE, Spec. Gén., ix, 38, 1857.

syn. *transvertens* WALKER, Cat. Brit. Mus., xx, 16, 1860.

b. **transposita** WALKER, Cat. Brit. Mus., xx, 15, 1860.

c. **incurvata** GUENÉE, Spec. Gén., ix, 37, 1857; WALKER, Cat. Brit. Mus., xx, 15, 1860.

4027. **politia** CRAMER, Pap. Exot., ii, pl. 140, f. E, 1776; FABRICIUS, Sp. Ins., ii, 253, 64, 1781; Mant. Ins., ii, 96, 100, 1787; Ent. Syst., iii, 2, 163, 123, 1794; LEACH, Zool. Miss., 80, 1817; GUENÉE, Spec. Gén., ix, 30, 1857; WALKER, Cat. Brit. Mus., xx, 7, 1860; HULST, Ent. Amer., ii, 47, 1886; Ent. News, v, 303, 1894; WARREN, Nov. Zool., i, 399, 1894. — Fla.

syn. *politiata* GUENÉE, Spec. Gén., ix, 30, 1857; *complicata* GUENÉE, Spec. Gén., ix, 30, 1857; WALKER, Cat. Brit. Mus., xx, 7, 1860; *illiturbata* GUENÉE, Spec. Gén., ix, 130, 1857; *illiturata* WALKER, Cat. Brit. Mus., xx, 8, 1860; *floridata* GROTE, Can. Ent., xv, 6, 1883.

ABBOTANA Hulst.

Hulst, Trans. Am. Ent. Soc., xxiii, 383, 1896.

4028. **clemataria** Smith & Abbot, Lep. Ins. Ga., ii, 201, 1797; Packard, C. 561; Bruce, Ent. Amer., iii, 47, 1887; Hulst, Ent. Amer., ii, 47, 1886; Dyar, Psyche, ix, 142, 1900. — Atl. States.

syn. *transferens* Walker, Cat. Brit. Mus., xx, 19, 1860.

a. **transducens** Walker, Cat. Brit. Mus., xx, 18, 1860.

Subfamily MECOCERATINÆ

MECOCERAS Guenée.

Guenée, Spec. Gén., ix, 388, 1857; Walker, Cat. Brit. Mus., xxii, 606, 1861; Hulst, Trans. Am. Ent. Soc., xxiii, 385, 1896.

4029. **nitoris** Cramer, Pap. Exot., iii, pl. 275, f. A, 1776; Walker, Cat. Brit. Mus., xxii, 606, 1860; Dyar, Psyche, ix, 69, 1900. — Fla.

syn. *nitocraria* Hübner, Samml. exot. Schmett., ii, 1806; Guenée, Spec. Gén., ix, 389, 1857; *peninsularia* Grote, Pap., iii, 79, 1883.

ALMODES Guenée.

Guenée, Spec. Gén., ix, 389, 1857; Walker, Cat. Brit. Mus., xxii, 607, 1861; Hulst, Trans. Am. Ent. Soc., xxiii, 385, 1896.

*4030. **terraria** Guenée, Spec. Gén., ix, 390, 1857; Walker, Cat. Brit. Mus., xxii, 608, 1861; Hulst, Ent. News, vi, 73, 1896; Warren, Nov. Zool., i, 376, 1894. — Fla.

syn. *stellidaria* Guenée, Spec. Gén., x, 450, 1857; *squamigera* Felder, Reise Novara, pl. 126, f. 11, 1874; *balteolata* Herrich-Schaeffer, Corr.-Blatt. Reg., xxiv, 190, 1870; Möschler, Abh. Senck. Ges., xvi, 272, 1890; *assecoma* Druce, Biol. Cent. Am., Lep. Het., ii, 79, 1892; *calvina* Druce, Biol. Cent. Am., Lep. Het., ii, 79, 1892; *rivularia* Grote, Pap., iii, 79, 1883.

Subfamily PALYADINÆ

PALYAS Guenée.

Guenée, Spec. Gén., ix, 395, 1857; Walker, Cat. Brit. Mus., xxiii, 612, 1861; Warren, Nov. Zool., i, 402, 1894; Hulst, Trans. Am. Ent. Soc., xxiii, 384, 1896.

*4031. **auriferaria** Hulst, Ent. Amer., ii, 188, 1887. — Fla.

PHRYGIONIS Hübner.

Hübner, Verz. bek. Schmett., 307, 1818; Warren, Nov. Zool., i, 394, 1894; Hulst, Trans. Am. Ent. Soc., xxiii, 384, 1896; *Byssodes* Guenée, Spec. Gén., ix, 399, 1857; Walker, Cat. Brit. Mus., xxii, 617, 1861; Hulst, Trans. Am. Ent. Soc., xxiii, 384, 1896.

4032. **argenteostriata** Strecker, Proc. Acad. Nat. Sci. Phil., 152, 1876; Hulst, Ent. Amer., ii, 222, 1886; Dyar, Proc. Ent. Soc. Wash., iv, 458, 1901. — Fla.

syn. *cerussata* Grote, Pap., ii, 101, 1882; *obrussata* Grote, Can. Ent., xiv, 111, 1882; xv, 6, 1883.

Subfamily SPHÆCELODINÆ.

SPHÆCELODES Guenée.

Guenée, Spec. Gén., x, 116, 1857; Walker, Cat. Brit. Mus., xx, 213, 1860; Hulst, Trans. Am. Ent. Soc., xxiii, 367, 1896; *Brotis* Hübner (not[a]), Verz. bek. Schmett., 303, 1818.

4033. **vulneraria** Hübner, Zutr. exot. Schmett., f. 319, 1825; Guenée, Spec. Gén., x, 117, 1857; Walker, Cat. Brit. Mus., xx, 214, 1860; Grote, Can. Ent., viii, 154, 1876; xii, 116, 1880; Hulst, Can. Ent., xviii, 136, 1886. — Atl. States.

syn. *floridensis* Holland, Pap., iv, 72, 1884.

Subfamily MELANCHROIINÆ.

MELANCHROIA Hübner.

Hübner, Verz. bek. Schmett., 173, 1818.

4034. **regnatrix** Grote, Ann. N. Y. Lyc. Nat. Hist., viii, 441, 1867. — Cuba, Fla.?

4035. **cephise** Cramer, Pap. Exot., iv, pl. 381, f. E, 1782; Grote, Proc. Ent. Soc. Phil., vi, 306, 1867; Hy. Edwards, Ent. Amer., ii, 9, 1886; Cockerell, Can. Ent., xxv, 26, 1893. — Ariz., Fla., So. Am.

4036. **geometroides** Walker, Cat. Brit. Mus., ii, 387, 1854; Grote, Proc. Ent. Soc. Phil., vi, 307, 1867. — Tex., Mex., Fla.

syn. *mors* Lucas, Hist. Nat. Cuba, 663, 1857.

Subfamily BREPHINÆ.

BREPHOS Ochsenheimer.

Ochsenheimer, Schmett. Eur., iv, 96, 1816.

4037. **infans** Möschler, Wien. ent. Mon., vi, 134, 1862; Smith, Bull. 44, U. S. Nat. Mus., 396, 1893; Brainerd, Can. Ent., xxix, 272, 1897; Lyman, Can. Ent., xxx, 49, 1898; Staudinger & Rebel, Cat. Lep. Eur., i, no. 2855, 1901. — No. Atl. States.

syn. *hamadryas* Harris.

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[a] Preoccupied, according to Hulst's manuscript.

*4038. **melanis** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 88, 1868; SMITH, Bull. 44, U. S. Nat. Mus., 396, 1893. — Cal.

*4039. **californicus** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 88, 1868; SMITH, Bull. 44, U. S. Nat. Mus., 396, 1893. — Cal.

LEUCOBREPHOS Grote.

GROTE, Bull. Buff. Soc. Nat. Sci., ii, 53, 1874.

*4040. **brephoides** WALKER, Cat. Brit. Mus., xi, 702, 1857; SMITH, Bull. 44, U. S. Nat. Mus., 397, 1893. — No. U. S.

syn. *noyi* GROTE, *resoluta* ZELLER.

*4041. **middendorfi** MÉNÉTRIES, Schrenk's Reise, 66, 1859; SMITH, Bull. 44, U. S. Nat. Mus., 397, 1893; STAUDINGER & REBEL Cat. Lep. Eur., i, no. 2857, 1901. — Canada.

Family EPIPLEMIDÆ.

PHILAGRAULA Hulst.

HULST, Trans. Am. Ent. Soc., xxiii, 310, 1896.

*4042. **slossoniæ** HULST, Trans. Am. Ent. Soc., xxiii, 310, 1896. — Fla.

CALLIZZIA Packard.

PACKARD, Rept. Geol. Surv. Terr., Hayden, x, 314, 1876; HULST, Trans. Am. Ent. Soc., xxiii, 309, 1896.

4043. **amorata** PACKARD, Rept. Geol. Surv. Terr., Hayden, x, 315, 1876. — No. U. S., Ariz., Col.

CALLEDAPTERYX Grote.

GROTE, Trans. Am. Ent. Soc., ii, 119, 1868; HULST, Trans. Am. Ent. Soc., xxiii, 310, 1896.

4044. **dryopterata** GROTE, Trans. Am. Ent. Soc., ii, 120, 1868; PACKARD, Rept. Geol. Surv. Terr., Hayden, x, 313, 1876. — Atl. States.

syn. *erosiata* PACKARD, Rept. Geol. Surv. Terr., Hayden, x, pl. 3, f. 14, 1876.

SCHIDAX Hübner.

HÜBNER, Verz. bek. Schmett., 315, 1818; GUENÉE, Spec. Gén., x, 39, 1857; WALKER, Cat. Brit. Mus., xxiii, 853, 1861.

*4045. **coronaria** STRECKER, Lep. Rhop. Het., suppl. 2, 8, 1899. — Fla.

Superfamily TINEOIDEA.

Family NOLIDÆ.

(C. = Hampson Cat. Lep. Phal. Brit. Mus., ii, 1900.)

CELAMA Walker.

Walker, Cat. Brit. Mus., xxxii, 500, 1865; Hampson, C. 5.

4046. **triquetrana** Fitch, First Rept. Ins. N. Y., 244, 1856; Smith, Bull. 44, U. S. Nat. Mus., 193, 1893; Dyar, Jn. N. Y. Ent. Soc., vi, 42, 1898; Hampson, C. no. 34. — Atl. States.
syn. *trinotata* Walker, *sexmaculata* Grote.

4047. **minna** Butler, Ann. Mag. Nat. Hist., (5), viii, 315, 1881; Hampson, C. no. 36. — Pac. States.
syn. *hyemalis* Stretch.

4048. **sorghiella** Riley, Rept. Dept. Agr., 188, 1882; Hampson, C. no. 33. — So. Atl. States.

4049. **pustulata** Walker, Cat. Brit. Mus., xxxiii, 795, 1865; Hampson, C. no. 26. — Atl. States.
syn. *nigrofasciata* Zeller, *obaurata* Morrison.

4050. **cilicoides** Grote, Bull. Buff. Soc., i, 175, 1873; Hampson, C. no. 27. — Atl. States.

*4051. **anfracta** Hy. Edwards, Pap., i, 12, 1881; Hampson, C. no. 152. — Cal.

*4051. 1. **aphyla** Hampson, C. no. 15, 1900. — Cal.

NOLA Leach.

Leach, Edinb. Encycl., ix, 135, 1815; Snellen, Tidj. voor Ent., xviii, 61, 1874; Hampson, C. 31.

4052. **clethræ** Dyar, Can. Ent., xxxi, 62, 1899; Hampson, C. no. 46. — Atl. States.

4053. **ovilla** Grote, Can. Ent., vii, 221, 1875; Hampson, C. no. 45. — Atl. States.

4054. **apera** Druce, Biol. Cent. Am., Lep. Het., ii, 404, 1897; Hampson, C. no. 76. — Ariz., Cal., Mex., Fla.
syn. *involuta* Dyar, Jn. N. Y. Ent. Soc., vi, 42, 1898.
a. **exposita** Dyar, Jn. N. Y. Ent. Soc., vi, 43, 1898.
b. **laguncularia** Dyar, Proc. Ent. Soc. Wash., iv, 465, 1901.

RŒSELIA Hübner.

HÜBNER, Verz. bek. Schmett., 397, 1827; HAMPSON, C. 51.

4055. **minuscula** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 455, 1872; HAMPSON, C. no. 142. — Atl. States.
syn. *minor* DYAR, Can. Ent., xxxi, 64, 1899.
a. **phylla** DYAR, Jn. N. Y. Ent. Soc., vi, 43, 1898; Can. Ent., xxxi, 61, 1899.

4056. **fuscula** GROTE, Pap., i, 76, 1881. — Col.
syn. *conspicua* DYAR, Jn. N. Y. Ent. Soc., vi, 43, 1898.

4057. **dentata** DYAR, Can. Ent., xxxi, 64, 1899; HAMPSON, C. no. 133. — Ariz.

NIGETIA Walker.

WALKER, Cat. Brit. Mus., xxxiv, 1505, 1865; HAMPSON, C. 50.

4058. **formosalis** WALKER, Cat. Brit. Mus., xxxiv, 1506, 1865; HAMPSON, C. no. 104; Proc. Zool. Soc. Lond., 290, 1899. — Atl. States.
syn. *melanopa* ZELLER.

Family LACOSOMIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 120, 1894.)

CICINNUS Blanchard.

BLANCHARD, Gay's Hist. Chile, Zool., vii, 66, 1852; NEUMOEGEN & DYAR, C. 120.

4059. **melsheimeri** HARRIS, Rep. Ins. Mass., 290, 1841; NEUMOEGEN & DYAR, C. 120. — Atl. States.
syn. *egenaria* WALKER.

LACOSOMA Grote.

GROTE, Proc. Ent. Soc. Phil., iii, 77, 1864; NEUMOEGEN & DYAR, C. 120.

4060. **chiridota** GROTE, Proc. Ent. Soc. Phil., iii, 78, 1864; NEUMOEGEN & DYAR, C. 120. — Atl. States.

4061. **arizonicum** DYAR, Jn. N. Y. Ent. Soc., vi, 44, 1898. — Ariz.

Family PSYCHIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 111–120, 1894.)

OIKETICUS Guilding.

GUILDING, Trans. Ent. Soc. Lond., xv, 375, 1837; NEUMOEGEN & DYAR, C. 118.

4062. **abbotii** GROTE, No. Am. Ent., i, 52, 1880; NEUMOEGEN & DYAR, C. 118. — Fla.

4063. **townsendi** COCKERELL, Ann. Mag. Nat. Hist., (6), xv, 208, 1895; DYAR, Can. Ent., xxvii, 242, 1895. — N. Mex.

*4064. **davidsoni** HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 142, 1877; DYAR, Ent. News, iv, 320, 1893. — Cal.

THYRIDOPTERYX Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iv, 387, 1834; NEUMOEGEN & DYAR, C. 118.

4065. **ephemeræformis** HAWORTH, Lep. Brit., 72, 1803; NEUMOEGEN & DYAR, C. 118. — Atl. States.
syn. *coniferarum* PACKARD.

4066. **meadii** HY. EDWARDS, Pap., i, 116, 1881; NEUMOEGEN & DYAR, C. 119. — So. Cal.

PLATŒCETICUS Packard.

PACKARD, Guide Stud. Ins., 291, 1869; NEUMOEGEN & DYAR, C. 119.

4067. **gloveri** PACKARD, Guide Stud. Ins., 291, 1869; NEUMOEGEN & DYAR, C. 119. — Fla.
syn. *edwardsii* HEYLAERTS.

EURYCYTTARUS Hampson.

HAMPSON, Ill. Lep. Het. Brit. Mus., viii, 66, 1891; NEUMOEGEN & DYAR, C. 119.

4068. **confederata** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 191, 1868; NEUMOEGEN & DYAR, C. 119. — Atl. States.

4069. **carbonaria** PACKARD, Ent. Amer., iii, 51, 1887; NEUMOEGEN & DYAR, C. 119. — Tex.

CHALIA Moore.

MOORE, Ann. Mag. Nat. Hist., (4), xx, 345, 1877; NEUMOEGEN & DYAR, C. 120.

*4070. **rileyi** HEYLAERTS, Ann. Soc. Ent. Belg., xxviii, 208, 1884; NEUMOEGEN & DYAR, C. 120. — Atl. States.

4071. **fragmentella** HY. EDWARDS, Proc. Cal. Acad. Sci., vii, 142, 1877; DYAR, Ent. News, iv, 320, 1893. — Pac. States.
syn. *coniferella* HY. EDWARDS.

SOLENOBIA Zeller.

ZELLER, Linn. Ent., vii, 332, 1852; CLEMENS, Tin. Nor. Am., 181, 1872.

4072. **walshella** CLEMENS, Proc. Ent. Soc. Phil., i, 132, 1862; PACKARD, Guide Stud. Ins., 346, 1869; CHAMBERS, Can. Ent., v, 74, 1873; vii, 125, 1875; viii, 19, 1876. — Atl. States.

HYALOSCOTES Butler.

Butler, Ann. Mag. Nat. Hist., (5), viii, 314, 1881.

*4073. **fumosa** Butler, Ann. Mag. Nat. Hist., (5), viii, 314, 1881; Neumoegen & Dyar, C. i, 114. — Cal.

ŒDONIA Kirby.

Kirby, Cat. Lep. Het., i, 524, 1892; Dyar, Can. Ent., xxv, 301, 1893.

*4074. **exigua** Hy. Edwards, Pap., ii, 125, 1882; Dyar, Can. Ent., xxv, 301, 1893. — Ariz.

Family COCHLIDIIDÆ.

(C. = Neumoegen & Dyar, Jn. N. Y. Ent. Soc., ii, 64–76, 109, 1894.

SIBINE Herrich-Schaeffer.

Herrich-Schaeffer, Samml. ausser. Schmett., i, 7, 1855.

4075. **stimulea** Clemens, Proc. Acad. Nat. Sci. Phil., xi, 158, 1860; Neumoegen & Dyar, C. 72; Dyar & Morton, Jn. N. Y. Ent. Soc., iv, 1, 1896. — Atl. States.

syn. *ephippiatus* Harris.

EUCLEA Hübner.

Hübner, Verz. bek. Schmett., 149, 1822.

4076. **nanina** Dyar, Jn. N. Y. Ent. Soc., vii, 247, 1899. — Fla.

syn. *nana* Dyar (not Herrich-Schaeffer), Ent. News, ii, 61, 1891; Neumoegen & Dyar, C. 67.

4077. **delphinii** Boisduval, Cuvier An. King., pl. ciii, f. 6, 1832; Neumoegen & Dyar, C. 67; Dyar, Jn. N. Y. Ent. Soc., v, 57, 1897. — Atl. States

syn. *strigata* Boisduval, *quercicola* Herrich-Schaeffer, *tardigrada* Clemens, *ferruginea* Packard, *argentatus* Wetherby, Cin. Quart. Jn. Sci., ii, 366, 1875.

a. **querceti** Herrich-Schaeffer, Samml. ausser. Schmett., f. 174, 1854.

syn. *bifida* Packard.

b. **interjecta** Dyar, Ent. News, ii, 61, 1891.

c. **viridiclava** Walker, Cat. Brit. Mus., v, 1154, 1855.

syn. *monitor* Packard.

d. **elliotii** Pearsall, Ent. Amer., i, 209, 1887.

e. **pænulata** Clemens, Proc. Acad. Nat. Sci. Phil., xii, 159, 1860.

4078. **incisa** HARVEY, Can. Ent., viii, 5, 1876; NEUMOEGEN & DYAR, C. 68. — Tex.

4079. **indetermina** BOISDUVAL, Cuv. An. King., pl. ciii, f. 1, 1832; NEUMOEGEN & DYAR, C. 68; DYAR, Jn. N. Y. Ent. Soc., v, 10, 1897. — Atl. States.

syn. *vernata* PACKARD.

4080. **chloris** HERRICH-SCHAEFFER, Samml. ausser. Schmett., i, f. 146, 1854; NEUMOEGEN & DYAR, C. 72; DYAR, Jn. N. Y. Ent. Soc., v, 61, 1897. — Atl. States.

syn. *viridis* REAKIRT, *fraterna* GROTE.

MONOLEUCA Grote & Robinson.

GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 187, 1869; NEUMOEGEN & DYAR, C. 69.

4081. **subdentosa** DYAR, Trans. Am. Ent. Soc., xviii, 156, 1891; NEUMOEGEN & DYAR, C. 69. — Fla.

4082. **semifascia** WALKER, Cat. Brit. Mus., v, 1151, 1855; NEUMOEGEN & DYAR, C. 69. — So. Atl. States.

4083. **sulfurea** GROTE, No. Am. Ent., i, 60, 1880; NEUMOEGEN & DYAR, C. 69. — Fla.

*4084. **obliqua** HY. EDWARDS, Ent. Amer., ii, 10, 1886; NEUMOEGEN & DYAR, C. 69. — Fla.

ADONETA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., xii, 158, 1860.

4085. **spinuloides** HERRICH-SCHAEFFER, Samml. ausser. Schmett., i, f. 187, 1854; NEUMOEGEN & DYAR, C. 71; DYAR, Jn. N. Y. Ent. Soc., v, 5, 1897. — Atl. States.

syn. *voluta* CLEMENS, *ferrigera* WALKER, *nebulosus* WETHERBY, Cin. Quart. Jn. Sci., ii, 370, 1875.

a. **leucosigma** PACKARD, Proc. Ent. Soc. Phil., iii, 345, 1864; NEUMOEGEN & DYAR, C. 72.

4086. **pygmæa** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 189, 1868; NEUMOEGEN & DYAR, C. 71. — Tex.

SISYROSEA Grote.

GROTE, Can. Ent., viii, 112, 1876; NEUMOEGEN & DYAR, C. 69.

4087. **textula** HERRICH-SCHAEFFER, Ausser. Schmett., f. 184, 1854; DYAR, Jn. N. Y. Ent. Soc., iv, 185, 1896. — Atl. States.

syn. *inornata* GROTE & ROBINSON.

NATADA Walker.

Walker, Cat. Brit. Mus., v, 1108, 1855.

4088. **nasoni** Grote, Can. Ent., viii, 112, 1876; Dyar, Jn. N. Y. Ent. Soc., vii, 61, 1899. — Atl. States.
syn. *daona* Druce, *rude* Hy. Edwards.

PHOBETRON Hübner.

Hübner, Verz. bek. Schmett., 398, 1827; Neumoegen & Dyar, C. 70.

4089. **pithecium** Smith & Abbot, Lep. Ins. Ga., ii, 74, 1897; Neumoegen & Dyar, C. 70; Dyar, Jn. N. Y. Ent. Soc., iv, 178, 1896. — Atl. States.
syn. *abbotana* Hübner, *nigricans* Packard, *hyalinus* Walsh, *tetradactylus* Walsh, *nondescriptus* Wetherby, Cin. Quart. Jn. Sci., ii, 371, 1875.

ISOCHÆTES Dyar.

Dyar, Jn. N. Y. Ent. Soc., vii, 208, 1899.

4090. **beutenmülleri** Hy. Edwards, Can. Ent., xix, 145 1887; Neumoegen & Dyar, C. 71. — Atl. States.

ALARODIA Möschler.

Möschler, Abhl. Senckenb. Ges., xiv, 3 Heft, 35, 1886.

4091. **slossoniæ** Packard, Ent. News, iv, 169, 1893; Neumoegen & Dyar, C. 111; Dyar, Jn. N. Y. Ent. Soc., v, 122, 1897; vi, 158, 1898. — Fla.

PROLIMACODES Schaus.

Schaus, Jn. N. Y. Ent. Soc., iv, 56, 1896.

4092. **scapha** Harris, Rep. Ins. Mass., 303, 1841; Neumoegen & Dyar, C. 73; Dyar, Jn. N. Y. Ent. Soc., iv, 172, 1896. — Atl. States.
syn. *undifera* Walker.

*4093. **trigona** Hy. Edwards, Pap., ii, 12, 1882; Neumoegen & Dyar, C. 73. — Ariz.
syn. *telligii* Barnes, Can. Ent., xxiii, 46, 1900.

COCHLIDION Hübner.

Hübner, Tentamen, 1806; *Apoda* Neumoegen & Dyar, C. 73.

4094. **biguttata** Packard, Proc. Ent. Soc. Phil., iii, 341, 1864; Neumoegen & Dyar, C. 73; Dyar, Jn. N. Y. Ent. Soc., v, 167, 1897. — Atl. States.
syn. *tetraspilaris* Walker.

4095. **rectilinea** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 188, 1868; NEUMOEGEN & DYAR, C. 73. — Atl. States.

a. **latomia** HARVEY, Can. Ent., ix, 75, 1875; NEUMOEGEN & DYAR, C. 74.

4096. **y-inversa** PACKARD, Proc. Ent. Soc. Phil., iii, 461, 1864; NEUMOEGEN & DYAR, C. 74; DYAR & MORTON, Jn. N. Y. Ent. Soc., iii, 151, 1895. — Atl. States.

a. **parallela** HY. EDWARDS, Ent. Amer., ii, 10, 1886.

LITHACODES Packard.

PACKARD, Proc. Ent. Soc. Phil., iii, 345, 1864.

4097. **fasciola** HERRICH-SCHAEFFER, Ausser. Schmett., i, f. 186, 1854; NEUMOEGEN & DYAR, C. 76; DYAR, Jn. N. Y. Ent. Soc., v, 1, 1897. — Atl. States.

syn. *divergens* WALKER, Trans. Ent. Soc. Lond., 82, 1862; SCHAUS, Proc. Zool. Soc. Lond., 650, 1896.

a. **laticlavia** CLEMENS, Proc. Acad. Nat. Sci. Phil., xii 157, 1860.

PACKARDIA Grote & Robinson.

GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 373, 1866; NEUMOEGEN & DYAR, C. 76.

4098. **elegans** PACKARD, Proc. Ent. Soc. Phil., iii, 342, 1864; NEUMOEGEN & DYAR, C. 76; DYAR, Jn. N. Y. Ent. Soc., vi, 5, 1898. — Atl. States.

syn. *nigripunctata* GOODELL.

a. **fusca** PACKARD, Proc. Ent. Soc. Phil., iii, 343, 1864.

4099. **geminata** PACKARD, Proc. Ent. Soc. Phil., iii, 343, 1864; NEUMOEGEN & DYAR, C. 109; DYAR, Jn. N. Y. Ent. Soc., vi, 2, 1898. — Atl. States.

4100. **albipunctata** PACKARD, Proc. Ent. Soc. Phil., iii, 344, 1864; NEUMOEGEN & DYAR, C. 109. — Atl. States.

syn. *goodellii* GROTE.

a. **ocellata** GROTE, Proc. Ent. Soc. Phil., iv, 322, 1864.

HETEROGENEA Knoch.

KNOCH, Beitr. Ins., iii, 60, 1793; NEUMOEGEN & DYAR, C. 74.

4101. **shurtleffii** PACKARD, Proc. Ent. Soc. Phil., iii, 346, 1864; NEUMOEGEN & DYAR, C. 74; DYAR, Jn. N. Y. Ent. Soc., vi, 241, 1898. — Atl. States.

KRONÆA Reakirt.

Reakirt, Proc. Ent. Soc. Phil., iii, 347, 1864; Neumoegen & Dyar, C. 75.

*4102. **minuta** Reakirt, Proc. Ent. Soc. Phil., iii, 251, 1864; Neumoegen & Dyar, C. 75. — Atl. States.

TORTRICIDIA Packard.

Packard, Proc. Ent. Soc. Phil., iii, 347, 1864; Neumoegen & Dyar, C. 75.

4103. **fiskeana** Dyar, Ent. News, x, 333, 1900. — Atl. States.

4104. **græfii** Packard, Ent. Amer., iii, 52, 1887. — Tex.

4105. **flexuosa** Grote, No. Am. Ent., i, 60, 1880; Dyar, Jn. N. Y. Ent. Soc., vi, 94, 1898. — Atl. States.

a. **cæsonia** Grote, No. Am. Ent., i, 60, 1880; Neumoegen & Dyar, C. 74.

4106. **testacea** Packard, Proc. Ent. Soc. Phil., iii, 348, 1864; Neumoegen & Dyar, C. 75; Dyar, Jn. N. Y. Ent. Soc., vi, 151, 1898. — Atl. States.

a. **crypta** Dyar, Proc. U. S. Nat. Mus., xxv, 395, 1902. — Col.

4107. **pallida** Herrich-Schaeffer, Ausser. Schmett., f. 183, 1854; Neumoegen & Dyar, C. 75; Dyar, Jn. N. Y. Ent. Soc., vi, 155, 1898. — Atl. States.

a. **flavula** Herrich-Schaeffer, Ausser. Schmett., f. 185, 1854.

Family MEGALOPYGIDÆ.

(C.=Neumoegen & Dyar, Jn. N. Y. Ent. Soc., ii, 109–110, 1894.)

CARAMA Walker.

Walker, Cat. Brit. Mus., iv, 843, 1855; Neumoegen & Dyar, C. 109.

4108. **cretata** Grote, Proc. Ent. Soc. Phil., iii, 524, 1864; Neumoegen & Dyar, C. 110; Dyar, Jn. N. Y. Ent. Soc., x, 54, 1902. — Atl. States.

syn. *pura* Butler, Trans. Ent. Soc. Lond., 64, 1878; Dyar, Can. Ent., xxvii, 14, 1895.

MEGALOPYGE Hübner.

Hübner, Verz. bek. Schmett., 185, 1822; Neumoegen & Dyar, C. 110.

4109. **opercularis** Smith & Abbot, Lep. Ins. Ga., ii, 53, 1797; Neumoegen & Dyar, C. 110. — So. Atl. States.

syn. *lanuginosa* Clemens, *subcitrina* Walker

LAGOA Harris.

HARRIS, Rep. Ins. Mass., 205, 1841; DYAR, Can. Ent., xxix, 67, 1897.

4110. **crispata** PACKARD, Proc. Ent. Soc. Phil., iii, 335, 1864; NEUMOEGEN & DYAR, C. 110. — Atl. States.

4111. **pyxidifera** SMITH & ABBOT, Lep. Ins. Ga., ii, pl. 54, 1797; NEUMOEGEN & DYAR, C. 110. — So. Atl. States.

TROSIA Hübner.

HÜBNER, Verz. bek. Schmett., 196, 1822; DYAR, Jn. N. Y. Ent. Soc., vii, 173, 1899.

4112. **obsolescens** DYAR, Jn. N. Y. Ent. Soc., vii, 173, 1899. — Ariz.

Family DALCERIDÆ.

DALCERIDES Neumoegen & Dyar.

NEUMOEGEN & DYAR, Can. Ent., xxv, 121, 1893; DYAR, Jn. N. Y. Ent. Soc., vi, 232, 1898.

*4113. **ingenita** HY. EDWARDS, Pap., ii, 12, 1882; NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 111, 1894. — Ariz.

Family EPIPYROPIDÆ.

EPIPYROPS Westwood.

WESTWOOD, Trans. Ent. Soc. Lond., 522, 1876; KIRBY, Cat. Lep. Het., i, 490, 1892.

4114. **barberiana** DYAR, Proc. Ent. Soc. Wash., v, 43, 1902. — N. Mex.

Family PYROMORPHIDÆ.

(C.=NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 63, 1894.)

ACOLOITHUS Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 539, 1860; NEUMOEGEN & DYAR, C. 63.

4115. **falsarius** CLEMENS, Proc. Acad. Nat. Sci. Phil., 540, 1860; NEUMOEGEN & DYAR, C. 63. — Atl. States.
syn. *sanborni* PACKARD.

4116. **rectarius** DYAR, Jn. N. Y. Ent. Soc., vi, 44, 1898. — Ariz.

PYROMORPHA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Ausser. Schmett., i, p. 6, 1854; NEUMOEGEN & DYAR, C. 63.

4117. **dimidiata** HERRICH-SCHAEFFER, Ausser. Schmett., f. 222, 1855; NEUMOEGEN & DYAR, C. 63. — Atl. States.
syn. *perlucidula* CLEMENS.

*4118. **centralis** WALKER, Cat. Brit. Mus., ii, 288, 1854. — Mex., Fla.?
syn. *notha* HY. EDWARDS, Ent. Amer., i, 128, 1885.

TRIPROCRIS Grote.

GROTE, Bull. Buff. Soc., i, 35, 1873; NEUMOEGEN & DYAR, C. 63.

4119. **fusca** HY. EDWARDS, Pap., iv, 43, 1884; NEUMOEGEN & DYAR, C. 64. — Ariz.

4120. **rata** HY. EDWARDS, Pap., ii, 124, 1882; NEUMOEGEN & DYAR, C. 64. — Ariz.

4121. **latercula** HY. EDWARDS, Pap., ii, 124, 1882; NEUMOEGEN & DYAR, C. 64. — Ariz.

4122. **constans** HY. EDWARDS, Pap., i, 81, 1881; NEUMOEGEN & DYAR, C. 64. — Ariz.
a. **sancta** NEUMOEGEN & DYAR, Jn. N. Y. Ent. Soc., ii, 64, 1894. — N. Mex.

4123. **smithsonianus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 540, 1860; NEUMOEGEN & DYAR, C. 64; DYAR, Proc. Ent. Soc. Wash., v, 33, 1902. — Rocky Mts., Tex.

4124. **marteni** FRENCH, Pap., iii, 191, 1883; NEUMOEGEN & DYAR, C. 65. — Rocky Mts.

*4125. **aversus** HY. EDWARDS, Pap., iv, 13, 1884. — Mex., Ariz.

4126. **lustrans** BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., vi, 367, 1894; NEUMOEGEN & DYAR, C. 172. — Col., Mex.

HARRISINA Packard.

PACKARD, Proc. Essex Ins., iv, 31, 1864; NEUMOEGEN & DYAR, C. 65.

4127. **coracina** CLEMENS, Proc. Acad. Nat. Sci. Phil., 539, 1860; NEUMOEGEN & DYAR, C. 65. — Tex., Ariz.
syn. *nigrina* GRAEF.

4128. **metallica** STRETCH, Ent. Amer., i, 102, 1885; NEUMOEGEN & DYAR, C. 66. — Tex., Ariz.

4129. **americana** GUÉRIN-MÉNEVILLE, Icon. Règ. An. Ins., 500, 1829; NEUMOEGEN & DYAR, C. 65. — Atl. States
syn. *texana* STRETCH.
a. **australis** STRETCH, Ent. Amer., i, 102, 1885; NEUMOEGEN & DYAR, C. 65.

Family CHALCOSIDÆ.

GINGLA Walker.

WALKER, Cat. Brit. Mus., xxxi, 128, 1864.

4130. **laterculæ** DYAR, Jn. N. Y. Ent. Soc., viii, 32, 1900. — Ariz.

Family THYRIDÆ.

(C.=Hampson, Proc. Zool. Soc. Lond., 603-633, 1897.)

THYRIS Laspeyres.

Laspeyres, Ill. Mag., ii, 39, 1803; Hampson, C. 606.

4131. **maculata** Harris, Am. Jn. Sci., xxxvi, 313, 1836; Hampson, C. 607. — Atl. States.
syn. *perspicua* Walker.

4132. **lugubris** Boisduval, Spec. Gén., pl. 14, f. 11, 1852; i, 490, 1874; Hampson, C. 607. — Atl. States.
syn. *sepulchralis* Boisduval, *nevadæ* Oberthür.

DYSODIA Clemens.

Clemens, Proc. Acad. Nat. Sci. Phil., 389, 1860; Hampson, C. 608.

*4133. **vitrina** Boisduval, Mon. Zyg., pl. 1, f. 5, 1829; Hampson, C. 609. — U. S.

4134. **oculatana** Clemens, Proc. Acad. Nat. Sci. Phil., 349, 1860; Hampson, C. 609. — U. S.
syn. *plena* Walker, *fasciata* Grote & Robinson, *montana* Hy. Edwards, *aurea* Pagenstecher.

*4135. **granulata** Neumoegen, Pap., iii, 137, 1883. — Ariz.

*4136. **speculifera** Sepp, Surin. Vlind., iii, pl. 135, 1830; Hampson, 609. — Fla., So. Am.
syn. *æqualis* Walker, *flagrata* Walker, *thyridina* Felder, *floridana* Hulst.

HEXERIS Grote.

Grote, Can. Ent., vii, 176, 1875; Hampson, C. 627.

4137. **enhydris** Grote, Can. Ent., vii, 176, 1875; Hampson, C. 627. — Fla., Cal.
syn. *reticulina* Beutenmüller.

BELNOPTERA Herrich-Schaeffer.

Herrich-Schaeffer, Ausser. Schmett., 76, 1858; Hampson, C. 628.

*4138. **fratercula** Pagenstecher, Iris, v, 95, 1892; Hampson, C. 629. — Cal.

MESKEA Grote.

Grote, Can. Ent., ix, 114, 1877; Hampson, C. 631.

4139. **dyspteraria** Grote, Can. Ent., ix, 115, 1877; Hampson, C. 632. — Fla.

THYRIDOPYRALIS Dyar.

Dyar, Jn. N. Y. Ent. Soc., ix, 23, 1901.

4140. **gallærandialis** Dyar, Jn. N. Y. Ent. Soc., ix, 23, 1901. — Fla.

Family COSSIDÆ.

(C.=Neumoegen & Dyar, Jn. N. Y. Ent. Soc., ii, 160-166, 1894.)

ZEUZERA Latreille.

Latreille, Dict. Hist. Nat., xxiv, 186, 1804; Neumoegen & Dyar, C. 160.

4141. **pyrina** Linnæus, Faun. Suec., 306, 1701; Neumoegen & Dyar, C. 160. — Atl. States, Eur.

syn. *hypocastrina* Poda, *æsculi* Linnæus, *hilaris* Fourcroy *decipiens* Kirby.

COSSUS Fabricius.

Fabricius, Ent. Syst., iii, (2), 8, 1794; Neumoegen & Dyar, C. 161.

4142. **centerensis** Lintner, Can. Ent., ix, 129, 1877; Neumoegen & Dyar, C. 161. — Atl. States.

4143. **undosus** Lintner, Rept. N. Y. Sta. Mus., xxx, 243, 1878; Neumoegen & Dyar, C. 161. — Rocky Mts.

syn. *brucei* French.

4144. **populi** Walker, Cat. Brit. Mus., vii, 1515, 1856; Neumoegen & Dyar, C. 162. — Can., Nev., Pac. States.

syn. *angrezi* Bailey.

a. **orc** Strecker, Proc. Acad. Nat. Sci. Phil., 282, 1893; Neumoegen & Dyar, C. 162.

*4145. **perplexus** Neumoegen & Dyar, Jn. N. Y. Ent. Soc., i, 31, 1893. — Col.

*4146. **mucidus** Hy. Edwards, Pap., ii, 126, 1882; Neumoegen & Dyar, C. 162. — Ariz.

PRIONOXYSTUS Grote.

Grote, Check List, 63, 1882; Neumoegen & Dyar, C. 163.

4147. **robiniæ** Peck, Mass. Agr. Rept., v, 67, 1818; Neumoegen & Dyar, C. 163. — U. S.

syn. *plagiatus* Walker, *crepera* Grote, *reticulatus* Lintner, *zabolicus* Strecker, Lep. Rhop. Het., suppl. 1, 5, 1898.

a. **quercus** Ehrman, Can. Ent., xxv, 251, 1893.

4148. **macmurtrei** Guérin-Méneville, Icon. Règ. An. Ins., pl. 85, f. 2, 1829; Neumoegen & Dyar, C. 163. — Atl. States.
syn. *quercipenda* Fitch.

INGUROMORPHA Hy. Edwards.

Hy. Edwards, Ent. Amer., iii, 182, 1887.

4149. **basalis** Walker, Cat. Brit. Mus., vii, 1523, 1856; Neumoegen & Dyar, C. 163. — Fla., Mex.
syn. *slossoni* Hy. Edwards.

4150. **arbeloides** Dyar, Ent. News, x, 129, 1899. — Ariz.

COSSULA Bailey.

Bailey, Pap., ii, 93, 1882; Neumoegen & Dyar, C. 163.

4151. **magnifica** Strecker, Proc. Acad. Nat. Sci. Phil., 151, 1876; Neumoegen & Dyar, C. 163. — Fla., Mex.
syn. *magnifica* Bailey, *norax* Druce, Biol. Cent. Am., Lep. Het., ii, 450, pl. 89, f. 6, 1891.

HYPOPTA Hübner.

Hübner, Verz. bek. Schmett., 195, 1822; Neumoegen & Dyar, C. 164.

4152. **manfredi** Neumoegen, Pap., iii, 139, 1884. — Ariz., N. Mex.

4153. **theodori** Dyar, Cat. Ent., xxv, 220, 1893. — Ariz., N. Mex.

4154. **bertholdi** Grote, Bull. Brook. Ent. Soc., iii, 45, 1880; Rivers & Dyar, Psyche, viii, 10, 1897. — Col., Cal.

*4155. **ethela** Neumoegen & Dyar, Jn. N. Y. Ent. Soc., i, 32, 1893. — Col.

4156. **henrici** Grote, Pap., ii, 131, 1882. — Ariz., N. Mex.

*4157. **cornelia** Neumoegen & Dyar, Jn. N. Y. Ent. Soc., i, 32, 1893. — Col.

*4158. **edwardi** Neumoegen & Dyar, Jn. N. Y. Ent. Soc., i, 32, 1893. — Col.

*4159. **nanus** Strecker, Proc. Acad. Nat. Sci. Phil., 151, 1876; Neumoegen & Dyar, C. 166. — Col.

4160. **anna** Dyar, Ent. News, ix, 214, 1898. — Fla.

*4161. **itzalana** Strecker, Lep. Rhop. Het., suppl. 3, 30, 1900. — Ariz.

Family SESIIDÆ.

(C. = BEUTENMÜLLER, Mon. Ses. No. Am., Mem. Am. Mus. Nat. Hist. N. Y., i, 217–352, 1901.)

MELITTIA Hübner.

HÜBNER, Verz. bek. Schmett., 128, 1816; BEUTENMÜLLER, C. 231.

4162. **satyriniformis** HÜBNER, Zutr. exot. Schmett., f. 453, 1825; BEUTENMÜLLER, C. 232. — U. S.
syn. *cucurbitæ* HARRIS, *ceto* WESTWOOD, *amæna* HY. EDWARDS.

4163. **snowii** HY. EDWARDS, Pap., ii, 53, 1882; BEUTENMÜLLER, C. 234. — Kans.

4164. **gloriosa** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 71, 1880; BEUTENMÜLLER, C. 235. — So. Cal., Ariz.

*4165. **grandis** STRECKER, Can. Ent., xiii, 156, 1881; BEUTENMÜLLER, C. 235. — Ariz., Tex.

*4166. **magnifica** BEUTENMÜLLER, Bull. Am. Nat. Hist., xii, 151, 1899; C. 236. — Tex.

GÆA Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., viii, 115, 1896; C. 236.

*4167. **emphytiformis** WALKER, Cat. Brit. Mus., viii, 43, 1856; BEUTENMÜLLER, C. 237. — (Unknown.)

*4168. **solituda** HY. EDWARDS, Pap., i, 182, 1881; BEUTENMÜLLER, C. 238. — Tex., Kans.

EUHAGENA Hy. Edwards.

HY. EDWARDS, Pap., i, 181, 1881; BEUTENMÜLLER, C. 238.

4169. **nebraskæ** HY. EDWARDS, Pap., i, 181, 1881; BEUTENMÜLLER, C. 239. — Nebr., Col.

ALCOTHOE Hy. Edwards.

HY. EDWARDS, Pap., ii, 53, 1882; BEUTENMÜLLER, C. 239.

4170. **caudata** HARRIS, Am. Jn. Arts & Sci., xxxvi, 311, 1839; BEUTENMÜLLER, C. 240. — Atl. States.
a. **walkeri** NEUMOEGEN, Ent. News, v, 331, 1894.

4171. **korites** DRUCE, Biol. Cent. Am., Lep. Het., i, 34, 1884; BEUTENMÜLLER, C. 241. — Col., Mex.

SANNINA Walker.

WALKER, Cat. Brit. Mus., viii, 64, 1856; BEUTENMÜLLER, C. 242.

4172. **uroceriformis** WALKER, Cat. Brit. Mus., viii, 64, 259, 1856; BEUTENMÜLLER, C. 242. — So. Atl. States.
syn. *quinquecaudata* RIDINGS.

PODOSESIA Möschler.

MÖSCHLER, Stett. ent. Zeit., xxxvii, 312, 1876; BEUTENMÜLLER, C. 243.

4173. **syringæ** HARRIS, Am. Jn. Arts & Sci., xxxvi, 311, 1838; BEUTENMÜLLER, C. 244. — Atl. States
syn. *longipes* MÖSCHLER.

4174. **fraxini** LUGGER, Psyche, vi, 109, 1891; BEUTENMÜLLER, C. 245. — Mont., Dak.

MEMYTHRUS Newman.

NEWMAN, Sphinx Vesp., Ess., 1832; BEUTENMÜLLER, C. 245.

*4175. **tricinctus** HARRIS, Am. Jn. Arts & Sci., xxx, 310, 1839; BEUTENMÜLLER, C. 247. — Atl. States.

*4176. **denotatus** HY. EDWARDS, Pap., ii, 55, 1882; BEUTENMÜLLER, C. 248. — Rocky Mts.

4177. **robiniæ** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 72, 1880; BEUTENMÜLLER, C. 248. — Nev., Cal., Wash.

4178. **cupressi** HY. EDWARDS, Pap., i, 183, 1881; BEUTENMÜLLER, C. 249. — Utah, Col., Ariz.

*4179. **polistiformis** HARRIS, Am. Pom. Soc., 10, 1854; BEUTENMÜLLER, C. 249. — Atl. States.

*4180. **scepsiformis** HY. EDWARDS, Pap., i, 183, 1881; BEUTENMÜLLER, C. 250. — So. Atl States.

*4181. **simulans** GROTE, Bull. Brook. Ent. Soc., iii, 78, 1881; BEUTENMÜLLER, C. 250. — Atl. States.

*4182. **palmii** HY. EDWARDS, Can. Ent., ix., 145, 1887; BEUTENMÜLLER, C. 251. — Fla.

4183. **asilipennis** BOISDUVAL, Guér. Règ. An., ii, 496, 1829; BEUTENMÜLLER, C. 252. — Atl. States.
syn. *respipenne* HERRICH-SCHAEFFER, *denudatum* HARRIS, *bombyciformis* WALKER.

4184. **dollii** NEUMOEGEN, Ent. News, v, 330, 1894; BEUTENMÜLLER, C. 252. — Atl. States.
a. **castaneum** BEUTENMÜLLER, Bull. Am. Mus. Nat Hist., ix, 213, 1897.

*4185. **seminole** NEUMOEGEN, Ent. News, v, 330, 1894; BEUTENMÜLLER, C. 253. — Fla.

*4186. **admirandus** HY. EDWARDS, Pap., ii, 54, 1882; BEUTENMÜLLER, C. 254. — Tex.

PALMIA Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., viii, 123, 1896; C. 254.

*4187. **præcedens** HY. EDWARDS, Pap., iii, 155, 1883; BEUTENMÜLLER, C. 255. — N. C.

ÆGERIA Fabricius.

FABRICIUS, Ill. Mag., vi, 288, 1807; BEUTENMÜLLER, C. 255.

4188. **apiformis** CLERCK, Icon., pl. 4, f. 2, 1759; BEUTENMÜLLER, C. 256. — No. U. S., Eur.

syn. *vespiformis* HUFNAGEL, *crabroniformis* DENIS & SCHIFFERMÜLLER.

*4189. **pacifica** HY. EDWARDS, Pap., i, 180, 1881; BEUTENMÜLLER, C. 259. — Pac. States, Mont.

4190. **tibialis** HARRIS, Am. Jn. Arts & Sci., xxxvi, 306, 1839; BEUTENMÜLLER, C. 259. — No. U. S.

syn. *flavitibia* WALKER, *minimum* NEUMOEGEN.

BEMBECIA Hübner.

HÜBNER, Verz. bek. Schmett., 128, 1816; BEUTENMÜLLER, C. 260.

4191. **marginata** HARRIS, Am. Jn. Arts & Sci., xxxvi, 309, 1839; BEUTENMÜLLER, C. 260. — No. U. S.

syn. *pleciæformis* WALKER, *odyneripennis* WALKER, *rubi* RILEY, *flavipes* HULST.

a. **albicoma** HULST, Bull. Brook. Ent. Soc., vi, 8, 1883.

VESPAMIMA Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., vi, 87, 1894; C. 262.

4192. **sequoiæ** HY. EDWARDS, Pap., i, 181, 1881; BEUTENMÜLLER, C. 263. — Cal., Wash.

syn. *pinorum* BEHRENS.

PARHAMONIA Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., viii, 124, 1896; C. 264.

4193. **pini** KELLICOTT, Can. Ent., xiii, 5, 1881; BEUTENMÜLLER, C. 264. — No. Atl. States.

SANNINOIDEA Beutenmüller.

BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., viii, 126, 1896; C. 265.

4194. **exitiosa** SAY, Jn. Acad. Nat. Sci. Phil., iii, 216, 1823; BEUTENMÜLLER, C. 266. — Atl. States.

syn. *persica* THOMAS, *pepsidiformis* HÜBNER, *xiphiæformis* BOISDUVAL.

a. **fitchii** HY. EDWARDS, Pap., ii, 55, 1882.

b. **edwardsii** BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., xii, 160, 1899.

c. **luminosa** NEUMOEGEN, Ent. News, v, 331, 1894.

4195. **opalescens** HY. EDWARDS, Pap., i, 199, 1881; BEUTENMÜLLER, C. 271. — Pac. States.

syn. *pacifica* RILEY.

4196. **græfii** HY. EDWARDS, Pap., i, 183, 1881; BEUTENMÜLLER, C. 271. — Col., Nev., Wash.

a. **barnesii** BEUTENMÜLLER, C. 272, 1901.

ALBUNA Hy. Edwards.

HY. EDWARDS, Pap., i, 186, 1881; BEUTENMÜLLER, C. 272.

4197. **pyramidalis** WALKER, Cat. Brit. Mus., viii, 40, 1856; BEUTENMÜLLER, C. 273. — U. S.

syn. *hylotomiformis* WALKER, *vancouverensis* HY. EDWARDS.

a. **montana** HY. EDWARDS, Pap., i, 188, 1881.

syn. *tanaceti* HY. EDWARDS.

b. **rubescens** HULST, Bull. Brook. Ent. Soc., iii, 76, 1881.

c. **coloradensis** HY. EDWARDS, Pap., i, 189, 1881.

syn. *torva* HY. EDWARDS.

4198. **fraxini** HY. EDWARDS, Pap., i, 185, 1881; BEUTENMÜLLER, C. 275. — Wash.

syn. *morrisonii* HY. EDWARDS.

SESIA Fabricius.

FABRICIUS, Syst. Ent., 549, 1775; BEUTENMÜLLER, C. 275.

4199. **mellinipennis** BOISDUVAL, Spec. Gén., ii, pl. 14, f. 12, 1836; BEUTENMÜLLER, C. 279. — Cal., Col.

syn. *resplendens* HY. EDWARDS, *artemisiæ* HY. EDWARDS, *senecioides* HY. EDWARDS.

*4200. **giliæ** HY. EDWARDS, Pap., i, 200, 1881; BEUTENMÜLLER, C. 279. — Rocky Mts.

syn. *vitrina* NEUMOEGEN, *deceptiva* BEUTENMÜLLER.

4201. **rileyana** Hy. Edwards, Pap., i, 187, 1881; Beutenmüller, C. 280. — Atl. & Pac. States, Mont.

syn. *brunneipennis* Hy. Edwards, *hyperici* Hy. Edwards.

*4202. **mimuli** Hy. Edwards, Pap., i, 200, 1881; Beutenmüller, C. 281. — Col.

4203. **rutilans** Hy. Edwards, Pap., i, 186, 1881; Beutenmüller, C. 281. — U. S.

syn. *aureola* Hy. Edwards, *hemizonæ* Hy. Edwards, *lupini* Hy. Edwards, *perplexa* Hy. Edwards, *impropria* Hy. Edwards, *washingtonia* Hy. Edwards, *madariæ* Hy. Edwards.

4204. **arctica** Beutenmüller, Can. Ent., xxxii, 277, 1900; C. 283. — Alaska.

*4205. **neglecta** Hy. Edwards, Pap., i, 197, 1881; Beutenmüller, C. 283. — Cal., Wash.

*4206. **refulgens** Hy. Edwards, Pap., i, 199, 1881; Beutenmüller, C. 283. — Ga.

4207. **bassiformis** Walker, Cat. Brit. Mus., viii, 39, 1856; Beutenmüller, C. 284. — Atl. States, Col.

syn. *lustrans* Grote, *consimilis* Hy. Edwards, *bolli* Hy. Edwards, *eupatorii* Hy. Edwards, *sexfasciata* Hy. Edwards, *infirma* Hy. Edwards, *imitata* Hy. Edwards.

4208. **tipuliformis** Clerck, Icones, pl. 4, f. 1, 1759; Beutenmüller, C. 285. — U. S., Eur., etc.

4209. **arizonæ** Beutenmüller, Jn. N. Y. Ent. Soc., vi, 240, 1898; C. 288. — Tex., Ariz.

*4210. **morula** Hy. Edwards, Pap., i, 196, 1881; Beutenmüller, C. 288. — Tex.

*4211. **novaroensis** Hy. Edwards, Pap., i, 199, 1881; Beutenmüller, C. 289. — Cal., Wash.

*4212. **rubrofascia** Hy. Edwards, Pap., i, 191, 1881; Beutenmüller, C. 289. — Ga.

*4213. **bolteri** Hy. Edwards, Pap., iii, 155, 1883; Beutenmüller, C. 290. — Atl. States.

*4214. **fulvipes** Harris, Am. Jn. Arts & Sci., xxxvi, 312, 1839; Beutenmüller, C. 290. — No. Atl. States.

*4215. **saxifragæ** Hy. Edwards, Pap., i, 190, 1881; Beutenmüller, C. 291. — Lab., Col.

syn. *henshawii* Hy. Edwards.

4216. **pictipes** GROTE & ROBINSON, Trans. Am. Ent. Soc., ii, 182, 1868; BEUTENMÜLLER, C. 291. U. S.
syn. *inusitata* HY. EDWARDS.

4217. **albicornis** HY. EDWARDS, Pap., i, 201, 1881; BEUTENMÜLLER, C. 292. U. S.
syn. *proxima* HY. EDWARDS, *modesta* KELLICOTT, BEUTENMÜLLER, C. 344.

*4218. **americana** BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., viii, 136, 1896; C. 293. Nev., B. C.

4219. **culiciformis** LINNÆUS, Syst. Nat., 493, 1758; BEUTENMÜLLER, C. 294. Alaska, Eur.

*4220. **tepperi** HY. EDWARDS, Pap., i, 203, 1881; BEUTENMÜLLER, C. 294. Ga.

4221. **acerni** CLEMENS, Proc. Acad. Nat. Sci. Phil., 14, 1860; BEUTENMÜLLER, C. 294. Atl. States.
syn. *acericolum* GERMAR.

4222. **corni** HY. EDWARDS, Pap., i, 190, 1881; BEUTENMÜLLER, C. 296. Atl. States.

*4223. **aureopurpurea** HY. EDWARDS, Bull. Brook. Ent. Soc., iii, 72, 1880; BEUTENMÜLLER, C. 296. Tex.

4224. **pyri** HARRIS, N. E. Farmer, ix, 2, 1830; BEUTENMÜLLER, C. 297. Atl. States.
syn. *koebelei* HY. EDWARDS.

4225. **scitula** HARRIS, Am. Jn. Arts & Sci., xxxvi, 313, 1839; BEUTENMÜLLER, C. 298. Atl. States.
syn. *gallivorum* WESTWOOD, *hospes* WALSH, *æmula* HY. EDWARDS.

*4226. **ithacæ** BEUTENMÜLLER, Bull. Am. Mus. Nat. Hist., ix, 215, 1897; C. 299. N. Y.

4227. **corusca** HY. EDWARDS, Pap., i, 193, 1881; BEUTENMÜLLER, C. 299. Tex.

4228. **decipiens** HY. EDWARDS, Pap., i, 197, 1881; BEUTENMÜLLER, C. 300. Col., Tex.
syn. *imperfecta* HY. EDWARDS, *nicotianæ* HY. EDWARDS.

4229. **rubristigma** KELLICOTT, Can. Ent., xxiv, 211, 1892; BEUTENMÜLLER, C. 301. Atl. States.

4230. **querci** HY. EDWARDS, Pap., ii, 98, 1882; BEUTENMÜLLER, C. 301. Ariz.
syn. *quercus* HY. EDWARDS.

*4231. **prosopis** HY. EDWARDS, Pap., ii, 99, 1882; BEUTENMÜLLER, C. 302. Ariz.

*4232. **tecta** Hy. Edwards, Pap., ii, 56, 1882; Beutenmüller, C. 302. — Ariz.

*4233. **candescens** Hy. Edwards, Pap., ii, 123, 1882; Beutenmüller, C. 303. — Ariz.

*4234. **sigmoidea** Hy. Edwards, Pap., ii, 56, 1882; Beutenmüller, C. 303. — N. H., Mass.

4235. **tacoma** Beutenmüller, Jn. N. Y. Ent. Soc., vi, 240, 1898; C. 304. — Wyo., Wash.

*4236. **texana** Hy. Edwards, Pap., i, 204, 1881; Beutenmüller, C. 304. — Fla., Tex.
syn. *wittfeldii* Hy. Edwards.

4237. **seminole** Beutenmüller, Jn. N. Y. Ent. Soc., viii, 255, 1899; C. 305. — Fla.

*4238. **palmii** Beutenmüller, Jn. N. Y. Ent. Soc., x, 126, 1902. — Ariz.

*4239. **marcia** Beutenmüller, Jn. N. Y. Ent. Soc., vii, 254, 1889; C. 305. — Fla.

4240. **præstans** Hy. Edwards, Pap., ii, 98, 1882; Beutenmüller, C. 306. — Wash.

4241. **fragariæ** Hy. Edwards, Pap., i, 202, 1881; Beutenmüller, C. 307. — Rocky Mts.
syn. *orthocarpi* Hy. Edwards.

*4242. **behrensii** Hy. Edwards, Pap., ii, 123, 1882; Beutenmüller, C. 307. — Cal.
syn. *elda* Hy. Edwards, *helianthi* Hy. Edwards.

*4243. **mariona** Beutenmüller, C. 308, 1901. — Col.

4244. **polygoni** Hy. Edwards, Pap., i, 202, 1881; Beutenmüller, C. 308. — Cal.

*4245. **achillæ** Hy. Edwards, Pap., i, 203, 1881; Beutenmüller, C. 308. — Cal.
syn. *eremocarpi* Hy. Edwards.

*4246. **floridensis** Grote, Can. Ent., vii, 174, 1875; Beutenmüller, C. 309. — Fla.

4247. **geliformis** Walker, Cat. Brit. Mus., viii, 46, 1856; Beutenmüller, C. 309. — Fla., Antilles.

4248. **sapygæformis** Walker, Cat. Brit. Mus., viii, 45, 1856; Beutenmüller, C. 310. — Fla.

4249. **animosa** Hy. Edwards, Pap., iii, 156, 1883; Beutenmüller, C. 310. — Ariz.

*4250. **pyralidiformis** Walker, Cat. Brit. Mus., viii, 44, 1856; Beutenmüller, C. 310. — Atl. States.
syn. *nigella* Hulst.

*4251. **sanborni** Hy. Edwards, Pap., i, 185, 1881; Beutenmüller, C. 311. — Mass.

4252. **ruficornis** Hy. Edwards, Pap., i, 184, 1881; Beutenmüller, C. 311. — So. States.

*4253. **subærea** Hy. Edwards, Pap., iii, 156, 1883; Beutenmüller, C. 312. — Ariz.

*4254. **nigra** Beutenmüller, Bull. Am. Mus. Nat. Hist., vi, 95, 1894; C. 312. — Col., Utah.

*4255. **verecunda** Hy. Edwards, Pap., i, 190, 1881; Beutenmüller, C. 312. — Col.

*4256. **edwardsii** Beutenmüller, Bull. Am. Mus. Nat. Hist., vi, 92, 1894; C. 313. — Col.

CALESESIA Beutenmüller.

Beutenmüller, Jn. N. Y. Ent. Soc., vii, 256, 1899; C. 314.

4257. **coccinea** Beutenmüller, Jn. N. Y. Ent. Soc., vi, 241, 1898; C. 314. — N. Mex.

PARANTHRENE Hübner.

Hübner, Verz. bek. Schmett., 128, 1816; Beutenmüller, C. 314.

*4258. **maculipes** Grote & Robinson, Trans. Am. Ent. Soc., ii, 184, 1868; Beutenmüller, C. 315. — Tex.

*4259. **heucheræ** Hy. Edwards, Pap., i, 205, 1881; Beutenmüller, C. 315. — Cal., Tex.
syn. *potentillæ* Hy. Edwards.

4260. **palmii** Neumoegen, Ent. News, ii, 108, 1891; Beutenmüller, C. 316. — Ariz.

4261. **canescens** Hy. Edwards, Pap., i, 205, 1881; Beutenmüller, C. 316. — Kans., Col.

*4262. **mexicanus** Beutenmüller, Bull. Am. Mus. Nat. Hist., ix, 216, 1897; C. 316. — N. Mex.

Family PYRALIDÆ.

Subfamily PYRAUSTINÆ

By C. H. Fernald.

GLAPHRIA Hübner.

Hübner, Zutr. exot. Schmett., ii, 29, 1823; Druce, Biol. Cent. Am., Lep. Het., ii, 267, 1895; *Homophysa* Guenée, Spec. Gén., viii, 364, 1854; Lederer, Wien. ent. Mon., vii, 454, 1863; Hampson, Proc. Zool. Soc. Lond., 607, 1898.

4263. **glaphyralis** Guenée, Spec. Gén., viii, 366, 1854. — No. Atl. States.
syn. *stipatalis* Walker, Cat. Brit. Mus., xxxiv, 1460, 1865; *albolineata* Grote & Robinson, Tr. Am. Ent. Soc., i, 28, 1867.

4264. **sesquistrialis** HÜBNER, Zutr. exot. Schm., ii, 29, 1823. — Mo., Kans., Tex.
syn. *dimotalis* WALKER, Cat. Brit. Mus., xxxiv, 1346, 1865.

*4265. **invisalis** GUENÉE, Spec. Gén., viii, 361, 1854. — So. States, So. Am.
syn. *lentifluvalis* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 525, 1872.

*4266. **psychicalis** HULST, Tr. Am. Ent. Soc., xiii, 149, 1886. — Atl. States.

4267. **reluctalis** HULST, Tr. Am. Ent. Soc., xiii, 156, 1886. — Ariz.

4268. **fulminalis** LEDERER, Wien. ent. Mon., vii, 487, 1863. — Atl. States.

*4269. **peremptalis** GROTE, Can. Ent., x, 28, 1878. — Mass.

SCYBALISTA Lederer.

LEDERER, Wien. ent. Mon., vii, 455, 1863; HAMPSON, Proc. Zool. Soc. Lond., 608, 1898; *Eupoea* WARREN, Ann Mag. Nat. Hist., (6), viii, 63, 1891.

*4270. **restionalis** LEDERER, Wien. ent. Mon., vii, 455, 1863. — U. S., So. Am.

SYMPHYSA Hampson.

HAMPSON, Proc. Zool. Soc. Lond., 609, 1898.

*4271. **reniculalis** ZELLER, Verh. zool.-bot. Ges. Wien. xxii, 526, 1872. — Mo., Tex.

4272. **eripalis** GROTE, Can. Ent., x, 29, 1878. — Iowa, Tex., Oreg., Cal.
syn. *salutalis* HULST, Trans. Am. Ent. Soc., xiii, 150, 1886.

LIPOCOSMA Lederer.

LEDERER, Wien. ent. Mon., vii, 448, 1863.

4273. **sicalis** WALKER, Cat. Brit. Mus., xix, 942, 1859. — Atl. States.
syn. *perfusalis* WALKER, Cat. Brit. Mus., xxxiv, 1226, 1865.

*4274. **fuliginosalis** FERNALD, Ent. Am., iv, 37, 1888. — Atl. States.

HYMENIA Hübner.

HÜBNER, Verz. bek. Schmett., 360, 1826; MEYRICK, Tr. Ent. Soc. Lond., 441, 1890; *Zinckenia* ZELLER, Lep. Caffr., 55, 1852; HAMPSON, Proc. Zool. Soc. Lond., 623, 1898; *Spoladea* GUENÉE, Spec. Gén., viii, 224, 1854.

4275. **perspectalis** HÜBNER, Schm. Eur., Pyr., f. 101, 1796; GUENÉE, Spec. Gén., viii, 226, 1854. — U. S., So. Am., So. Afr., Austr.
syn. *animalis* GUENÉE, Spec. Gén., viii, 226, 1854; *exportalis* GUENÉE, Spec. Gén., viii, 227, 1854; *primordialis* ZELLER, Lep. Caffr., 56, 1852; *rhinthonalis* WALKER, Cat. Brit. Mus., xix, 932, 1859; *phrasinsalis* WALKER, Cat. Brit. Mus., xix, 944, 1859.

4276. **fascialis** CRAMER, Pap. Exot., iv, 236, 1782. U. S., So. Am., So. Eur., So. Afr., Austr.

syn. *angustalis* FABRICIUS, Mant. Ins., ii, 222, 1787; *recurralis* FABRICIUS, Ent. Syst., iii, 2, 237, 1794; *diffascialis* HÜBNER, Verz. bek. Schmett., 361, 1826; *albifascialis* BOISDUVAL, Faun. Ent. Mad., 119, 1834.

DESMIA Westwood.

WESTWOOD, Mag. Zool., ix, 1832; GUENÉE, Spec. Gén., viii, 188, 1854; CLEMENS, Proc. Acad. Nat. Sci. Phil., 215, 1860; LEDERER, Wien. ent. Mon., vii, 433, 1863.

4277. **funeralis** HÜBNER, Schm. Eur., Pyr., f. 103, 1796. Atl. States.

syn. *maculalis* WESTWOOD, Mag. Zool., ix, pl. 2, 1832; CLEMENS, Proc. Acad. Nat. Sci. Phil., 215, 1860.

a. **subdivisalis** GROTE, Can. Ent., iii, 126, 1871.

4278. **tages** CRAMER, Pap. Exot., ii, 2, 1777; DYAR, Journ. N. Y. Ent. Soc., ix, 22, 1901. Fla., W. I., So. Am.

syn. *tagesalis* GUENÉE, Spec. Gén., viii, 291, 1854; *propinqualis* MÖSCHLER, Verh. zool.-bot. Ges. Wien, xxxi, 430, 1881.

SYNCLERA Lederer.

LEDERER, Wien. ent. Mon., vii, 444, 1863; MOORE, Lep. Cey., iii, 315, 1866.

4279. **traducalis** ZELLER, Lep. Caffr., 54, 1852; MOORE, Lep. Cey., iii, 316, 1866. Fla., W. I., So. Am., So. Afr., So. Asia.

syn. *retinalis* LEDERER, Wien. ent. Mon., i, 100, 1857; *jarbusalis* WALKER, Cat. Brit. Mus., xvii, 352, 1859; *univocalis* WALKER, Cat. Brit. Mus., xvii, 499, 1859; *coitalis* WALKER, Cat. Brit. Mus., xix, 964, 1859; *chlorophasma* BUTLER, Proc. Zool. Soc. Lond., 493, 1878.

ERCTA Walker.

WALKER, Cat. Brit. Mus., xvii, 425, 1859; HAMPSON, Proc. Zool. Soc. Lond., 636, 1898; *Spanista* LEDERER (not FÖRSTER), Wien. ent. Mon., vii, 445, 1863; *Hydriris* MEYRICK, Tr. Ent. Soc. Lond., 443, 1885.

*4280. **ornatalis** DUPONCHEL, Hist. Nat. Lép. Fr., viii, 2, 207, 1831. Fla., W. I., So. Am., So. Eur., So. Afr., Austr.

syn. *saturnalis* TREITSCHKE, Schm. Eur., x, 3, 29, 1835; *decinsalis* WALKER, Cat. Brit. Mus., xix, 905, 1859; *inconstalis* WALKER, Cat. Brit. Mus., xxxiv, 1431, 1865; *fraterna* BUTLER, Ann. Mag. Nat. Hist., (4), xvi, 415, 1875.

MARASMIA Lederer.

LEDERER, Wien. ent. Mon., vii, 385, 1863; HAMPSON, Proc. Zool. Soc. Lond., 63[illegible], 1898; *Dolichosticha* MEYRICK, Tr. Ent. Soc. Lond., 304, 1884; *Epimima* MEYRICK, Tr. Ent. Soc. Lond., 235, 1886; *Lasiacme* WARREN, Ann. Mag. Nat. Hist., (6), xvii, 176, 1896.

*4281. **cochrusalis** WALKER. Cat. Brit. Mus., xix, 959, 1859. — Fla., W. I., So. Am.

syn. *azionalis* WALKER, Cat. Brit. Mus., xix, 985, 1859; *ruptalis* WALKER, Cat. Brit. Mus., xxxiv, 1391, 1865.

4282. **trapezalis** GUENÉE, Spec. Gén., viii, 200, 1854. — Fla., Tex., W. I., So. Am., So. Afr., So. Asia.

syn. *creonalis* WALKER, Cat. Brit. Mus., xviii, 579, 1859; *neoclesalis* WALKER, Cat. Brit. Mus., xviii, 635, 1859; *suspicalis* WALKER, Cat. Brit. Mus., xviii, 667, 1859; *convectalis* WALKER, Cat. Brit. Mus., xxxiv, 141, 1865; *bifurcalis* SNELLEN, Tijd. v. Ent., 219, 1880.

4283. **floridalis** FERNALD, Journ. N. Y. Ent. Soc., ix, 49, 1901. — Fla.

ANANIA Hübner.

HÜBNER, Zutr. exot. Schmett., iii, 27, 1823; *Syngamia* GUENÉE, Spec. Gén., viii, 187, 1854; LEDERER, Wien. ent. Mon., vii, 434, 1863.

4284. **florella** CRAMER, Pap. Exot., iv, pl. 348, f. L. 1781. — Fla., W. I., So. Am.

SAMEA Guenée.

GUENÉE, Spec. Gén., viii, 193, 1854; LEDERER, Wien. ent. Mon., vii, 379, 1863; HAMPSON, Proc. Zool. Soc. Lond., 647, 1898.

4285. **ecclesialis** GUENÉE, Spec. Gén., viii, 194, 1854. — Fla., W. I., So. Am.

syn. *castellalis* GUENÉE, Spec. Gén., viii, 195, 1854; *luccusalis* WALKER, Cat. Brit. Mus., xix, 937, 1859; *disertalis* WALKER, Cat. Brit. Mus., xxxiv, 1302, 1865.

*4286. **multiplicalis** GUENÉE, Spec. Gén., viii, 227, 1854. — Fla., W. I., So. Am.

syn. *discessalis* WALKER, Cat. Brit. Mus., xxxiv, 1302, 1865; *nicæusalis* WALKER, Cat. Brit. Mus., xvii, 464, 1859.

DIASTICTIS Hübner.

HÜBNER, Zutr. exot. Schmett., i, 21, 1818; *Bocchoris* MOORE, Lep. Cey., iii, 271, 1886; HAMPSON, Proc. Zool. Soc. Lond., 649, 1898.

4287. **argyralis** HÜBNER, Zutr. exot. Schmett., i, 21, fig. 113, 1818. — Atl. States.

a. **ventralis** GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 21, 1867.

4288. **fracturalis** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 509, 1872. — Tex., Ariz.

*4289. **cæcalis** WARREN, Ann. Mag. Nat. Hist., (6). ix, 434, 1892. — Cal.

*4290. **talis** GROTE, Can. Ent., x, 26, 1878. — Ala.

PILOCROCIS Lederer.

LEDERER, Wien. ent. Mon., 430, 1863; HAMPSON, Proc. Zool. Soc. Lond., 655, 1898; *Ceratoclasis* LEDERER, Wien. ent. Mon., vii, 430, 1863.

4291. **ramentalis** LEDERER, Wien. ent. Mon., vii, 430, 1863. — N. Y., Fla., So. Am.

syn. *perfuscalis* HULST, Tr. Am. Ent. Soc., xiii, 159, 1886.

*4292. **tripunctata** FABRICIUS, Ent. Syst., iii, 2, 217, 1794. — Fla., Tex., W. I.

syn. *campalis* GUENÉE, Spec. Gén., viii, 345, 1854; *cubanalis* GUENÉE, Spec. Gén., viii, 345, 1854; *memmialis* WALKER, Cat. Brit. Mus., xviii, 731, 1859.

*4393. **plumbicostalis** GROTE, Can. Ent., iii, 103, 1871. — Ala., Fla.

4294. **inguinalis** GUENÉE, Spec. Gén., viii, 346, 1854. — Ala., Fla., So. Am.

syn. *thoasalis* WALKER, Cat. Brit. Mus., xviii, 610, 1859; *anticostalis* GROTE, Can. Ent., iii, 104, 1871; *leralis* HULST, Tr. Am. Ent. Soc., xiii, 152, 1896.

*4295. **tristigmalis** HAMPSON, Proc. Zool. Soc. Lond., 759, 1898. — Fla.

CONCHYLODES Guenée.

GUENÉE, Spec. Gén., viii, 288, 1854; LEDERER, Wien. ent. Mon., vii, 442, 1863; HAMPSON, Proc. Zool. Soc. Lond., 674, 1898; *Ledereria* SNELLEN, Tijd. v. Ent., 256, 1875.

*4296. **diphteralis** GEYER, Zntr. exot. Schmett., iv, 24, f. 691, 1832. — Fla., Tex., W. I.

4297. **platinalis** GUENÉE, Spec. Gén., viii, 282, 1854. — So. Atl. States, W. I., So. Am.

syn. *ovulalis* GUENÉE, Spec. Gén., viii, 283, 1854; *crinalis* WALKER, Cat. Brit. Mus., xvii, 474, 1859; *magicalis* FELDER, Reise Nov., pl. 135, f. 6, 1874; *concinnalis* HAMPSON, Proc. Zool. Soc. Lond., 675, 1898.

DICHOGAMA Lederer.

LEDERER, Wien. ent. Mon., vii, 396, 1863; HAMPSON, Proc. Zool. Soc. Lond., 676, 1898; *Carbacha* WALKER, Cat. Brit. Mus., xxiv, 1379, 1865; *Pleurasympieza* MÖSCHLER, Abh. Senck. Ges., 146, 1890.

4297. 1. **redtenbacheri** LEDERER, Wien. ent. Mon., vii, 396, 1863; DYAR, Can. Ent., xxii, 271, 1900. — Fla., W. I.

4297. 2. **amabilis** Möschler, Abh. Senck. Ges., 296, 1890; Dyar, Jn. N. Y. Ent. Soc., ix, 20, 1901. — Fla., W. I.

4297. 3. **bergii** Möschler, Abh. Senck. Ges., 297, 1890; Dyar, Jn. N. Y. Ent. Soc., ix, 21, 1901. — Fla., W. I.

LAMPROSEMA Hübner.

Hübner, Zutr. exot. Schmett., ii, 21, 1823.

*4298. **lunulalis** Hübner, Zutr. exot. Schmett., ii, 21, 1823; Guenée, Spec. Gén., viii, 205, 1854. — Tex., N. Mex.

HEDYLEPTA Lederer.

Lederer, Wien. ent. Mon., vii, 409, 1863.

*4299. **indicata** Fabricius, Syst. Ent., 640, 1775. — Fla., W. I., So. Am., So. Africa, So. Asia.

syn. *vulgalis* Guenée, Spec. Gén., viii, 202, 1854; *sabalis* Walker, Cat. Brit. Mus., xviii, 631, 1859; *medinsalis* Walker, Cat. Brit. Mus., xviii, 703, 1859; *connexalis* Walker, Cat. Brit. Mus., xxxiv, 1394, 1865; *reductalis* Walker, Cat. Brit. Mus., xxxiv, 1412, 1865.

BLEPHAROMASTIX Lederer.

Lederer, Wien. ent. Mon., vii, 422, 1863.

4300. **ebulealis** Guenée, Spec. Gén., viii, 196, 1854. — Fla., W. I.

4301. **aplicalis** Guenée, Spec. Gén., viii, 229, 1854. — Tex., W. I.

syn. *xeniolalis* Hulst, Trans. Am. Ent. Soc., xiii, 159, 1886.

4302. **ranalis** Guenée, Spec. Gén., viii, 243, 1854. — U. S., W. I., So. Am.

syn. *archasialis* Walker, Cat. Brit. Mus., xvii, 365, 1859; *ofidlusalis* Walker, Cat. Brit. Mus., xviii, 732, 1859; *ollinsalis* Walker, Cat. Brit. Mus., xix, 982, 1859; *strictalis* Walker, Cat. Brit. Mus., xxxiv, 1392, 1865; *gracilis* Grote & Robinson, Trans. Am. Ent. Soc., i, 25, 1867; *datisalis* Druce, Biol. Cent. Am., Lep. Het., ii, 269, 1895.

4303. **magnalis** Guenée, Spec. Gén., viii, 230, pl. ix, f. 6, 1854. — Fla., Tex., W. I.

syn. *medealis* Walker, Cat. Brit. Mus., xvii, 353, 1859; *helusalis* Walker, Cat. Brit. Mus., xviii, 582, 1859; *curtalis* Walker, Cat. Brit. Mus., xxxiv, 1305, 1865.

4304. **stenialis** GUENÉE, Spec. Gén., viii, 231, 1854. — So. Atl. States. W. I., Mex., So. Am.

syn. *acestealis* WALKER, Cat. Brit. Mus., xvii, 352, 1859; *pharusalis* WALKER, Cat. Brit. Mus., xvii, 368, 1859; *sagralis* DRUCE, Biol. Cent. Am., Lep. Het., ii, 270, 1895.

ASCIODES Guenée.

GUENÉE, Spec. Gén., viii, 374, 1854.

4305. **gordialis** GUENÉE, Spec. Gén., viii, 374, 1854; DYAR, Journ. N. Y. Ent. Soc., ix, 20, 1901. — Fla., W. I., So. Am.

syn. *quietalis* WALKER, Cat. Brit. Mus., xix, 825, 1859; *confusalis* HULST, Trans. Am. Ent. Soc., xiii, 158, 1886.

4306. **anormalis** GUENÉE, Spec. Gén., viii, 352, 1854; DYAR, Journ. N. Y. Ent. Soc., ix, 20, 1901. — Fla., W. I., So. Am.

syn. *alvinalis* GUENÉE, Spec. Gén., viii, 352, 1854; *heleitalis* WALKER, Cat. Brit. Mus., xviii, 574, 1859; *orphnealis* WALKER, Cat. Brit. Mus., xviii, 736, 1859; *dracusalis* WALKER, Cat. Brit. Mus., xix, 983, 1859; *subæqualis* WALKER, Cat. Brit. Mus., xxxiv, 1394, 1865.

PANTOGRAPHA Lederer.

LEDERER, Wien. ent. Mon., vii, 387, 1863.

4307. **limata** GROTE & ROBINSON, Ann. Lyc. Nat. Hist. N. Y., viii, 464, 1867; FERNALD, Can. Ent., xvi, 26, 1884. — Me., Mass., Va., Minn., Mex., So. Am.

syn. *suffusalis* DRUCE, Biol. Cent. Am., Lep. Het., ii, 240, 1895.

SYLEPTA Hübner.

HÜBNER, Verz. bek. Schmett., 356, 1826.

*4308. **penumbralis** GROTE, Can. Ent., ix, 106, 1877. — Ohio, Fla.

4308. 1. **fluctuosalis** LEDERER, Wien. ent. Mon., vii, 473, 1863; DYAR, Proc. Ent. Soc. Wash., iv, 460, 1901. — Fla., So. Am.

4309. **obscuralis** LEDERER, Wien. ent. Mon., vii, 472, 1863. — Fla.

*4310. **elevata** FABRICIUS, Ent. Syst., iii, 2, 216, 1794. — Fla., W. I., So. Am.

syn. *elevalis* GUENÉE, Spec. Gén., viii, 319, 1854.

LYGROPIA Lederer.

LEDERER, Wien. ent. Mon., vii, 381, 1863.

*4311. **rivulalis** HAMPSON, Proc. Zool. Soc. Lond., 727, 1898. — U. S.

*4312. **chromalis** GUENÉE, Spec. Gén., viii, 204, 1854. — Fla., So. Am.
syn. *principalis* LEDERER, Wien. ent. Mon., vii, 471, 1863.

AGATHODES Guenée.

GUENÉE, Spec. Gén., viii, 207, 1854; HAMPSON, Proc. Zool. Soc. Lond., 730, 1898; *Stenurges* LEDERER, Wien. ent. Mon., vii, 416, 1863.

4313. **monstralis** GUENÉE, Spec. Gén., viii, 209, 1854. — Fla., W. I., Mex., So. Am.
syn. *designalis* GUENÉE, Spec. Gén., viii, 209, 1854; *floridalis* HULST, Trans. Am. Ent. Soc., xiii, 156, 1886.

PARADOSIS Zeller.

ZELLER, Lep. Caffr., 58, 1854.

4314. **flegia** CRAMER, Pap. Exot., ii, 66, 1777; DYAR, Can. Ent., xxxii, 117, 1900. — Fla., W. I., So. Am.
syn. *flegialis* POEY, Cent. Lep. Cuba, Dec. i, 1832; *phantasmalis* GUENÉE, Spec. Gén., viii, 310, 1854; *villosalis* ZELLER, Lep. Caffr., 58, 1854.

DIAPHANIA Hübner.

HÜBNER, Zutr. exot. Schmett., i, 20, 1818; *Eudioptis* HÜBNER, Zutr. exot. Schmett., ii, 24, 1823; *Margaronia* HÜBNER, Verz. bek. Schmett., 358, 1826; *Phakellura* GUILDING, Phil. Mag., vii, 206, 1830; *Glyphodes* GUENÉE, Spec. Gén., viii, 292, 1854.

*4315. **olealis** FELDER, Reise Nov., pl. 135, f. 35, 1874. — Fla., So. Am.

4316. **nitidalis** STOLL, Pap. Exot., iv, 160, 1781; suppl., 110, 1790; GUENÉE, Spec. Gén., viii, 299, 1854; RILEY, Mo. Rep., ii, 64, 1870; SAUNDERS, Ins. Inj. to Fruits, 367, 1889; LINTNER, N. Y. Rep., xi, 126, 1896; CHITTENDEN, Bull. no. 19, n. s., U. S. Dept. Ag., 41, 1899. — So. States, W. I., So. Am.
syn. *vitralis* HÜBNER, Zutr. exot. Schmett., 20, 1818; *fumosalis* GUENÉE, Spec. Gén., viii, 300, 1854; *præxialis* DRUCE, Biol. Cent. Am., Lep. Het., ii, 231, 1895.

4317. **infimalis** GUENÉE, Spec. Gén., viii, 298, 1854; DYAR, Jn. N. Y. Ent. Soc., ix, 20, 1901. — Fla.

*4318. **arguta** LEDERER, Wien. ent. Mon., vii, 478, 1863. — No. Am., ? So. Am.

4319. **niveocilia** HAMPSON, Proc. Zool. Soc. Lond., 728, 1898. — Fla., W. I., So. Am.

4320. **hyalinata** LINNÆUS, Syst. Nat., ed. 12, i, 874, 1767; FABRICIUS, Ent. Syst., iii, 2, 213, 1794; SAUNDERS, Can. Ent., xv, 56, 1883; ASHMEAD, Bull. 14, U. S. Dept. Ag., 26, 1887; SAUNDERS, Ins. Inj. to Fruits, 365, 1889; LINTNER, N. Y. Rep., xi, 134, 1896; COMSTOCK, Man., 231, 1895. — U. S., Antilles, So. Am.

syn. *marginalis* STOLL, Pap. Exot., iv, 160, 1781; *lucernalis* HÜBNER, Schm. Eur., Pyr., 20, pl. 17, f. 108, 1796; *hyalinatalis* GUENÉE, Spec. Gén., viii, 296, 1854; COMSTOCK, Rep. U. S. Dept. Ag., 218, 1879.

4321. **quadristigmalis** GUENÉE, Spec. Gén., viii, 304, 1854; RILEY, Ins. Life, i, 22, 1888. — Atl. States, W. I., So. Am.

4322. **sibillalis** WALKER, Cat. Brit. Mus., xvii, 506, 1859; DYAR, Journ. N. Y. Ent. Soc., ix, 19, 1901. — Fla., Tex., W. I., So. Am.

syn. *batesi* FELDER, Reise Nov., pl. 135, f. 29, 1874; *alitalis* HULST, Trans. Am. Ent. Soc., xiii, 157, 1886.

METREA Grote.

GROTE, Pap., ii, 73, 1882; HAMPSON, Proc. Zool. Soc. Lond., 757, 1898.

4323. **ostreonalis** GROTE, Pap., ii, 73, 1882. — Can., Me., Mass., Pa.

syn. *urticaloides* FYLES, Can. Ent., xxvi, 184, 1894.

OMMATOSPILA Lederer.

LEDERER, Wien. ent. Mon., vii, 443, 1863; HAMPSON, Proc. Zool. Soc. Lond., 759, 1898; *Thelda* WALKER, Cat. Brit. Mus., xxxiv, 1221, 1865.

*4324. **narcæusalis** WALKER, Cat. Brit. Mus., xix, 972, 1859. — Tex., W. I., So. Am.

syn. *nummulalis* LEDERER, Wien. ent. Mon., vii, 444, 1863.

HELLULA Guenée.

GUENÉE, Spec. Gén., viii, 415, 1854; LEDERER, Wien. ent. Mon., vii, 351, 1863; HEINEMANN, Kleinschm., i, 2, 44, 1865; HAMPSON, Proc. Zool. Soc. Lond., 760, 1898.

4325. **undalis** FABRICIUS, Ent. Syst., iii, 2, 226, 1794; HÜBNER, Schm. Eur., Pyr., 19, pl. 14, f. 93, 1796; TREITSCHKE, Schm. Eur., vii, 128, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., viii, 160, 1831; HEINEMANN, Kleinschm., i, 2, 45, 1865; HAMPSON, Proc. Zool. Soc. Lond., 760, 1898; CHITTENDEN, Bull. no. 19, n. ser., U. S. Dept. Agr., 54, 1899; Bull. no. 23, n. ser., U. S. Dept. Agr., 53, 1900. — So. States, So. Eur., Africa, India.

syn. *alconalis* WALKER, Cat. Brit. Mus., xix, 827, 1859; *exemptalis* WALKER, Cat. Brit. Mus., xxxiv, 1313, 1865; *rogatalis* HULST, Tr. Am. Ent. Soc., xiii, 149, 1886.

MIMORISTA Warren.

WARREN, Ann. Mag. Nat. Hist., (6), vi, 476, 1890.

4326. **flavidissimalis** GROTE, Can. Ent., ix, 105, 1877. — Tex.

TERASTIA Guenée.

GUENÉE, Spec. Gén., viii, 211, 1854; HAMPSON, Proc. Zool. Soc. Lond., 181, 1899.

4327. **meticulosalis** GUENÉE, Spec. Gén., viii, 212, 1854; DYAR, Jn. N. Y. ent. soc., ix, 21, 1901. — Fla., W. I., Ceylon, Java, P. I.

syn. *subjectalis* LEDERER, Wien. ent. Mon., vii, 480, 1863; *quadratalis* WALKER, Cat. Brit. Mus., xxxiv, 1527, 1865; *caligenalis* HULST, Tr. Am. Ent. Soc., xiii, 156, 1886.

LANIIFERA Hampson.

HAMPSON, Proc. Zool. Soc. Lond., 184, 1899.

*4328. **cyclades** DRUCE, Biol. Cent. Am., Lep. Het., ii, 220, 1895. — Ariz., Mex.

EVERGESTIS Hübner.

HÜBNER, Verz. bek. Schmett., 354, 1826; HAMPSON, Proc. Zool. Soc. Lond., 185, 1899; *Mesographe* HÜBNER, Verz. bek. Schmett., 354, 1826; *Homochroa* HÜBNER, Verz. bek Schmett., 358, 1826; *Scopolia* HÜBNER, Verz. bek. Schmett., 368, 1826; *Orobena* GUENÉE, Spec. Gén., viii, 376, 1854; *Paravdis* GROTE, Check List, 51, 1882.

4329. **funalis** GROTE, Bull. U. S. Geol. Surv., iv, 670, 1878; COCKERELL, Ent. News, x, 68, 1899. — N. Mex., Cal.

*4330. **obliqualis** GROTE, Ann. Mag. Nat. Hist., (5), xi, 56, 1883; Proc. Kans. Ac. Sci., viii, 56, 1883. — N. Mex.

*4331. **simulatilis** GROTE, No. Am. Ent., 94, 1880. — Ariz., Col.

syn. *brunneogrisea* HY. EDWARDS, Ent. Am., ii, 171, 1886.

4332. **napæalis** HULST, Tr. Am. Ent. Soc., xiii, 145, 1886. — Cal.

4333. **dyaralis** FERNALD, Jn. N. Y. Ent. Soc., ix, 49, 1901; DYAR, Proc. Ent. Soc. Wash., iv, 460, 1901. — Fla., So. Am.

4334. **rimosalis** GUENÉE, Spec. Gén., viii, 371, 1854; THOMAS, Ill. Rep., iv, 37, 1880; RILEY, Rep. U. S. Dep. Agr., 126, 1883. — Va., Cal., Wash.

4335. **extimalis** SCOPOLI, Ent. Carn., 241, 1763; MEYRICK, Handb. Brit. Lep., 424, 1895. — Ariz., N. Mex.

syn. *margaritalis* DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 123, 1776; *crucalis* HÜBNER, Eur. Schm., Pyr., 28, pl. 9, f. 55, 1796; *consimilis* WARREN, Ann. Mag. Nat. Hist., (6), ix, 433, 1892.

4336. **straminalis** HÜBNER, Vög. & Schm., 82, 1792; MEYRICK, Handb. Brit. Lep., 424, 1895. — U. S., Eur.

syn. *dulcalis* HÜBNER, Eur. Schm., Pyr., 26, pl. 10, f. 62, 1796; *stramentalis* HÜBNER, Verz. bek. Schmett., 354, 1826; TREITSCHKE, Schm. Eur., vii, 76, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., viii, 2, 102, 1831; HEINEMANN, Kleinschm., i, 2, 95, 1865; *cunusalis* WALKER, Cat. Brit. Mus., xviii, 756, 1859.

CROCIDOPHORA Lederer.

LEDERER, Wien. ent. Mon., vii, 386, 1863.

4337. **serratissimalis** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 521, 1872. — Atl. States.

syn. *subdentalis* GROTE, Bull. Buff. Soc., i, 173, 1873.

*4338. **pustuliferalis** LEDERER, Wien. ent. Mon., vii, 477, 1863. — Fla.

4339. **tuberculalis** LEDERER, Wien. ent. Mon., vii, 476, 1863. — Va., Tex.

STENOPHYES Lederer.

LEDERER, Wien. ent. Mon., vii, 388, 1863.

4340. **huronalis** GUENÉE, Spec. Gén., viii, 198, 1854. — U.S., So. Am.

syn. *zinghalis* WALKER, Cat. Brit. Mus., xvii, 355, 1859; *serinalis* WALKER, Cat. Brit. Mus., xvii, 468, 1859.

POLYGRAMMODES Guenée.

GUENÉE, Spec. Gén., viii, 344, 1854; HAMPSON, Proc. Zool. Soc. Lond., 196, 1899.

*4341. **hirtalis** GUENÉE, Spec. Gén., viii, 344, 1854. — Tex., So. Am.

syn. *lybialis* WALKER, Cat. Brit. Mus., xviii, 624, 1859; *amatalis* WALKER, Cat. Brit. Mus., xviii, 625, 1859; *capitalis* GROTE, Bull. U. S. Geol. Surv., vi, 272, 1881.

NOMOPHILA Hübner.

HÜBNER, Verz. bek. Schmett., 368, 1826; MEYRICK, Handb. Brit. Lep., 410, 1895; HAMPSON, Proc. Zool. Soc. Lond., 201, 1899.

4342. **noctuella** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 136, 1776; FELT, Can. Ent., xxv, 129, 1893; MEYRICK, Handb. Br. Lep., 410, 1895; HAMPSON, Proc. Zool. Soc. Lond., 201, 1899. — U. S., Eur., Asia, So. Am.

syn. *hybridalis* HÜBNER, Schm. Eur., Pyr., 29, pl. 17, f. 114, 1796; *indistinctalis* WALKER, Cat. Brit. Mus., xxvii, 59, 1863; *helvolalis* MAASSEN, Stübel's Reise, 170, 1890.

PACHYZANCLA Meyrick.

MEYRICK, Tr. Ent. Soc. Lond., 315, 1884.

*4343. **periusalis** WALKER, Cat. Brit. Mus., xviii, 623, 1859. — U. S., Brazil.

4344. **bipunctalis** FABRICIUS, Ent. Syst., iii, 2, 232, 1794. — Ga., Fla., W. I., So. Am., So. Afr.

syn. *ægrotalis* ZELLER, Lep. Caffr., 38, 1852; *mutualis* ZELLER, Lep. Caffr., 40, 1852; *verminalis* GUENÉE, Spec. Gén., viii, 348, 1854; *detritalis* GUENÉE, Spec. Gén., viii, 347, 1854; *lycialis* WALKER, Cat. Brit. Mus., xviii, 572, 1859; *philealis* WALKER, Cat. Brit. Mus., xviii, 596, 1859; *repetitalis* GROTE, Rep. U. S. Dept. Agr., 270, 1880; HAMPSON, Proc. Zool. Soc. Lond., 204, 1899.

LOXOSTEGE Hübner.

HÜBNER, Verz. bek. Schmett., 352, 1826; MEYRICK, Tr. Ent. Soc. Lond., 452, 1890; Handb. Brit. Lep., 418, 1895; *Emmelia* GEYER, Zutr. exot. Schmett., v, 8, 1837; *Phlyctænodes* GUENÉE, Spec. Gén., viii, 173, 1854; HAMPSON, Proc. Zool. Soc. Lond., 207, 1899; *Spilodes* GUENÉE, Spec. Gén., viii, 379, 1854; *Dosara* WALKER, Cat. Brit. Mus., xix, 828, 1859; *Ephelis* LEDERER, Wien. ent. Mon., vii, 356, 1863; *Euryereon* LEDERER, Wien. ent. Mon., vii, 376, 1863.

4345. **dasconalis** WALKER, Cat. Brit. Mus., xviii, 773, 1859. — N. Y., Ill., Tex., Col.

*4346. **coloradensis** GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 25, 1867. — Tex., Col., Ariz.

syn. *pergilvalis* HULST, Tr. Am. Ent. Soc., xiii, 151, 1886.

4347. **chortalis** GROTE, Bull. Buff. Soc., i, 89, 1873. — Me. to Cal.

4348. **aureolalis** HULST, Tr. Am. Ent. Soc., xiii, 156, 1886. — Col., Ariz., Mex

syn. *cyralis* DRUCE, Biol. Cent. Am., Lep. Het., ii, 204, 1895.

4349. **obliteralis** WALKER, Cat. Brit. Mus., xxxiv, 1392, 1865; CHITTENDEN, Bull. no. 27, n. ser., U. S. Dept. Agr., 102, 1901. — Can., Mass., N. Y., Ill.

syn. *marculenta* GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 23, 1867.

*4350. **mancalis** LEDERER, Wien. ent. Mon., vii, 464, 1863. — Va., Fla., Mo.

syn. *marculenta* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 507, 1872.

4351. **helvialis** WALKER, Cat. Brit. Mus., xviii, 772, 1859. — Atl. States.

syn. *thycosalis* WALKER, Cat. Brit. Mus., xix, 981, 1859; *apertalis* WALKER, Cat. Brit. Mus., xxxiv, 1393, 1865; *citrina* GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 23, 1867.

*4352. **bifidalis** FABRICIUS, Ent. Syst., iii, 2, 232, 1794. — N. Mex., W. I., So. Am.

syn. *inornatalis* WALKER, Cat. Brit. Mus., xxxiv, 1456, 1865; *eranidalis* BERGSTRASSER, Deutsche ent. Zeits., xix, 134, 1875; *obsoletalis* BERGSTRASSER, Deutsche ent. Zeits., xix, 135, 1875; *orbitalis* FELDER, Reise Nov., pl. 134, f. 32, 1874.

4353. **flavalis** FERNALD, Ins. Life, vi, 255, 1894. — Cal.

4354. **similalis** GUENÉE, Spec. Gén., viii, 405, 1854. — U. S., So. Am.

syn. *crinisalis* WALKER, Cat. Brit. Mus., xviii, 798, 1859; *sirinsalis* WALKER, Cat. Brit. Mus., xviii, 563, 1859; *diotimealis* WALKER, Cat. Brit. Mus., xviii, 785, 1859; *crinitalis* LEDERER, Wien. ent. Mon., vii, 376, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, 519, 1872; *communis* GROTE, Can. Ent., viii, 99, 1876.

a. **rantalis** GUENÉE, Spec. Gén., viii, 405, 1855; ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 519, 1872; BERGSTRASSER, Deutsche ent. Zeits., xix, 132, 1875; SNOW, Psyche, iii, 127, 1880.

syn. *marcialis* WALKER, Cat. Brit. Mus., xviii, 746, 1859; *licealis* WALKER, Cat. Brit. Mus., xviii, 563, 1859; *nestusalis* WALKER, Cat. Brit. Mus., xviii, 784, 1859; *thoonalis* WALKER, Cat. Brit. Mus., xviii, 785, 1859; *intractella* WALKER, Cat. Brit. Mus., xxvii, 55, 1863; *posticata* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 22, 1867; *occidentalis* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 260, 1873.

4355. **allectalis** GROTE, Can. Ent., ix, 107, 1877. — Tex.

syn. *perplexalis* FERNALD, Can. Ent., xvii, 57, 1885.

4356. **lepidalis** HULST, Trans. Am. Ent. Soc., xiii, 146, 1886. — Mont., Col.

*4357. **baccatalis** HULST, Can. Ent., xxiv, 63, 1892. — Tex.

4358. **sticticalis** LINNÆUS, Faun. Suec., 352, 1761; TREITSCHKE, Schm. Eur., vii, 64, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., viii, 96, 1831; HERRICH-SCHAEFFER, Schm. Eur., iv, 34, 1848; HEINEMANN, Kleinschm., i, 2, 90, 1865; ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 518, 1872; MEYRICK, Handb. Brit. Lep., 418, 1895. — Rocky Mts., Cal., Eur.

syn. *fuscalis* HÜBNER, Eur. Schmett., Pyr., 29, pl. 7, f. 45, 1796; *tetragonalis* HAWORTH, Lep. Brit., 385, 1811; *sordida* BUTLER, Tr. Ent. Soc. Lond., 432, 1886.

4359. **commixtalis** WALKER, Cat. Brit. Mus., xxxiv, 1759, 1865. — Eur., No. Am.
syn. *indotatellus* WALKER, Cat. Brit. Mus., xxv, 1752, 1866; *septentrionalis* TENGSTRÖM, Cat., 358, 1869; *cerealis* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 517, 1872.

4360. **offumalis** HULST, Trans. Am. Ent. Soc., xiii, 150, 1886. — Cal.

*4361. **indentalis** GROTE, Ann. Mag. Nat. Hist., (5), xi, 57, 1883. — N. Mex.

*4362. **albiceralis** GROTE, Bull. U. S. Geol. Surv., iv, 678, 1878. — Col.

4363. **oberthuralis** FERNALD, Ins. Life, vi, 255, 1894. — Ariz., Cal.

*4364. **labeculalis** HULST, Trans. Am. Ent. Soc., xiii, 152, 1886. — Ariz.

*4365. **thallophilalis** HULST, Trans. Am. Ent. Soc., xiii, 154, 1886. — Mont., Cal.

*4366. **annaphilalis** GROTE, Can. Ent., xiii, 34, 1881. — Cal.

*4367. **anartalis** GROTE, Can. Ent., x, 27, 1878. — Cal.
syn. *lulualis* HULST, Trans. Am. Ent. Soc., xiii, 150, 1886.

4368. **linealis** FERNALD, Ins. Life, vi, 255, 1894. — Cal.

4369. **macluræ** RILEY, Ins. Life, v, 155, 1893. — Mo., Tex.

*4370. **flavifimbrialis** WARREN, Ann. Mag. Nat. Hist., (6), ix, 174, 1892. — Cal.

*4371. **succandidalis** HULST, Trans. Am. Ent. Soc., xiii, 153, 1886. — Dak.

*4372. **oblectalis** HULST, Trans. Am. Ent. Soc., xiii, 154, 1886. — Ariz.

*4373. **ophionalis** WALKER, Cat. Brit. Mus., xvii, 316, 1859. — Tex.

4374. **nasonialis** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 209, 1873. — Tex.

4375. **sesquialteralis** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 209, 1873. — Tex.

4376. **vibicalis** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 208, 1873. — Tex.

DIASEMIA Hübner.

Hübner, Verz. bek. Schmett., 348, 1826; Stephens, Ill. Brit. Ent., Haust., iv, 37, 1834; Guenée, Spec. Gén., viii, 233, 1854; Lederer, Wien. ent. Mon., vii, 418, 1863; Heinemann, Kleinschm., i, 2, 98, 1865; Meyrick, Handb. Brit. Lep., 404, 1895; Hampson, Proc. Zool. Soc. Lond., 213, 1899.

4377. **ramburialis** Duponchel, Hist. Nat. Lép. Fr., viii, 2, 343, 1831; Fischer v. Röslerstamm, Microlep., 281, 1841; Herrich-Schaeffer, Schm. Eur., iv, 26, 1848; Guenée, Spec. Gén., viii, 234, 1854; Heinemann, Kleinschm., i, 2, 98, 1865; Leech, Brit. Pyr., 45, 1886; Meyrick, Handb. Brit. Lep., 404, 1895; Hampson, Ind. Moths, iv, 411, 1896. — So. Atl. States, Eur., Austr.

syn. *melaleucalis* Walker, Cat. Brit. Mus., xvii, 402, 1859; *leodocusalis* Walker, Cat. Brit. Mus., xix, 947, 1859; *reconditalis* Walker, Cat. Brit. Mus., xxxiv, 1325, 1865; *leucophæalis* Walker, Cat. Brit. Mus., xxxiv, 1326, 1865.

4378. **nigralis** Fernald, Can. Ent., xxiv, 178, 1892. — Fla.

*4379. **janassialis** Walker, Cat. Brit. Mus., xvii, 337, 1859. — Fla.

syn. *hariolalis* Hulst, Trans. Am. Ent. Soc., xiii, 149, 1886.

*4380. **plumbosignalis** Fernald, Ent. Am., iv, 37, 1888. — Can., Col.,

4381. **roseopennalis** Hulst, Trans. Am. Ent. Soc., xiii, 148, 1886. — Va., N. C., Ariz.

*4382. **elegantalis** Warren, Ann. Mag. Nat. Hist., (6), ix, 440, 1892. — Cal.

*4383. **magdalena** Fernald, Can. Ent., xxiv, 122, 1892. — Fla., Tex.

LIOPASIA Möschler.

Möschler, Verh. zool.-bot. Ges. Wien, xxxi, 426, 1881; Hampson, Proc. Zool. Soc. Lond., 215, 1899.

*4384. **teneralis** Lederer, Wien. ent. Mon., vii, 462, 1863. — Cal.

CONDYLORRHIZA Lederer.

Lederer, Wien. ent. Mon., vii, 393, 1863; Hampson, Proc. Zool. Soc. Lond., 218, 1899.

*4385. **vestigialis** Guenée, Spec. Gén., viii, 321, 1854. — La., Tex.

syn. *tritealis* Walker, Cat. Brit. Mus., xviii, 597, 1859; *mestoralis* Walker, Cat. Brit. Mus., xviii, 729, 1859; *oratalis* Hulst, Trans. Am. Ent. Soc., xiii, 158, 1886.

THOLERIA Hübner.

Hübner, Zutr. exot. Schmett., ii, 27, 1823; Verz. bek. Schmett., 354, 1826; *Mecyna* Guenée, Spec. Gén., viii, 406, 1854; Meyrick, Trans. Ent. Soc. Lond., 451, 1890; Handb. Brit. Lep., 417, 1895; Hampson, Proc. Zool. Soc. Lond., 223, 1899.

4386. **reversalis** Guenée, Spec. Gén., viii, 409, 1854; Dyar, Proc. Ent. Soc. Wash., iv, 461, 1901. — Atl. States, W. I.

CALAMOCHROUS Lederer.

Lederer, Wien. ent. Mon., vii, 386, 1863.

*4387. **straminea** Warren, Ann. Mag. Nat. Hist., (6), ix, 393, 1892. — Cal.

CYBALOMIA Lederer.

Lederer, Wien. ent. Mon., vii, 420, 1863; Hampson, Proc. Zool. Soc. Lond., 229, 1899; *Hypolais* Guenée (not Kaup), Spec. Gén., viii, 239, 1854.

*4388. **extorris** Warren, Ann. Mag. Nat. Hist., (6), ix, 395, 1892. — West. U. S.

4388. 1. **belialis** Druce, Biol. Cent. Am., Lep. Het., ii, 557, 1899; Dyar, Proc. U. S. Nat. Mus., xxv, 397, 1902. — Col., Mex.

MONOCONA Warren.

Warren, Ann. Mag. Nat. Hist., (6), ix, 173, 1892; Hampson, Proc. Zool. Soc. Lond., 232, 1899.

*4389. **rubralis** Warren, Ann. Mag. Nat. Hist., (6), ix, 174, 1892. — Cal.

AUTOCOSMIA Warren.

Warren, Ann. Mag. Nat. Hist., (6), ix, 432, 1892; Hampson, Proc. Zool. Soc. Lond., 233, 1899.

*4390. **nexalis** Hulst, Tr. Am. Ent. Soc., xiii, 150, 1886. — Tex., Col., Cal.

syn. *concinna* Warren, Ann. Mag. Nat. Hist., (6), ix, 433, 1892.

TITANIO Hübner.

Hübner, Verz. bek. Schmett., 350, 1826; Meyrick, Tr. Ent. Soc. Lond., 453, 1890; Hampson, Proc. Zool. Soc. Lond., 235, 1899.

4391. **pollinalis** Denis & Schiffermüller, Syst. Verz. Wien, 124, 1776; Treitschke, Schm. Eur., vii, 202, 1829; Duponchel, Hist. Nat. Lép. Fr., viii, 2, 250, 1831; Herrich-Schaeffer, Schm. Eur., iv, 16, 1848; Guenée, Spec. Gén., viii, 149, 1854; Heinemann, Kleinschm., i, 2, 52, 1865. — Pa., S. Eur., Australia.

syn. *bigutta* Esper, Eur. Schmett., iv, 163, 5, 1786; *melissalis* Walker, Cat. Brit. Mus., xvii, 331, 1859; *flavinotalis* Grote, Can. Ent., xiii, 34, 1881.

4392. **ephippialis** ZETTERSTEDT, Ins. Lap., 972, 1840; MÖSCHLER, Wien. ent. Mon., iv, 377, 1860; WOCKE, Stett. ent. Zeit., xxiii, 34, 1862; xxv, 191, 1864. — Lab., N. Greenl., N. Eur.

syn. *frigidalis* GUENÉE, Spec. Gén., viii, 157, 1854; *scandinavialis* GUENÉE, Spec. Gén., viii, 156, 1854.

*4393. **dapalis** GROTE, Can. Ent., xiii, 17, 1881. — Cal.

4394. **proximalis** FERNALD, Ins. Life, vi, 256, 1894. — Cal.

*4395. **immerens** HARVEY, Can. Ent., vii, 160, 1875. — Cal.

*4396. **bububattalis** HULST, Tr. Am. Ent. Soc., xiii, 149, 1886. — Col.

4397. **helianthiales** MURTFELDT, Can. Ent., xxix, 71, 1897. — Mo., Tex.

METASIA Guenée.

GUENÉE, Spec. Gén., viii, 251, 1854; HAMPSON, Proc. Zool. Soc. Lond., 236, 1899.

4398. **argalis** FERNALD, Ins. Life, vi, 256, 1894. — Cal.

4399. **quadristrigalis** FERNALD, Ins. Life, vi, 257, 1894. — Cal.

PERISPASTA Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 333, 1875.

4400. **cæculalis** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 333, 1875. — So. Atl. States.

syn. *immixtalis* GROTE, Can. Ent., xiii, 232, 1881.

PHLYCTÆNIA Hübner.

HÜBNER, Verz. bek. Schmett., 359, 1826; STEPHENS, Ill. Brit. Ent., Haust., iv, 42, 1834; MEYRICK, Trans. Ent. Soc. Lond., 446, 1890; Handb. Brit. Lep., 408, 1895.

4401. **ferrugalis** HÜBNER, Eur. Schmett., Pyr., 27, pl. 9, f. 54, 1796; TREITSCHKE, Schm. Eur., vii, 94, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., viii, 138, 1831; STEPHENS, Ill. Brit. Ent., Haust., iv, 53, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 39, 1848; GUENÉE, Spec. Gén., viii, 398, 1854; HEINEMANN, Kleinschm., i, 2, 76, 1865; MEYRICK, Handb. Brit. Lep., 409, 1895. — U. S., Eur., Asia.

syn. *rubigalis* GUENÉE, Spec. Gén., viii, 398, 1854; CHITTENDEN, Bull. no. 27, n. ser., U. S. Dept. Agr., 7, 1901; *martialis* GUENÉE, Spec. Gén., viii, 398, 1854; *hypatialis* WALKER, Cat. Brit. Mus., xix, 1014, 1859; *oblunalis* LEDERER, Wien. ent. Mon., vii, 469, 1863; *harveyana* GROTE, Can. Ent., ix, 104, 1877.

*4402. **profundalis** PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 261, 1873. — Cal., B. C.

4403. **inquinatalis** ZELLER, Isis, xiii, 205, 1846; HERRICH-SCHAEFFER, Schm. Eur., iv, 41, 1848; GUENÉE, Spec. Gén., viii, 395, 1854. — Lab., N. Eur., Alps.

syn. *glacialis* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 52, 1866.

4404. **itysalis** WALKER, Cat. Brit. Mus., xix, 828, 1859. — Lab., Can., Col.

syn. *variegata* WALKER, Cat. Brit. Mus., xxvii, 76, 1863; *turmalis* GROTE, Can. Ent., xiii, 33, 1881; *hyperborealis* MÖSCHLER, Stett. ent. Zeit., xxxv, 163, 1874.

*4405. **radiosalis** MÖSCHLER, Stett. ent. Zeit., xliv, 123, 1883. — S. Lab.

4406. **washingtonalis** GROTE, Bull. U. S. Geol. Surv., vi, 578, 1882. — Wash.

syn. *incinctalis* HULST, Tr. Am. Ent. Soc., xiii, 152, 1886.

*4407. **externalis** WARREN, Ann. Mag. Nat. Hist., (6), ix, 296, 1892. — U. S.

*4408. **indistinctalis** WARREN, Ann. Mag. Nat. Hist., (6), ix, 394, 1892. — U. S.

4409. **acutella** WALKER, Cat. Brit. Mus., xxxv, 1753, 1866. — No. Atl. States.

syn. *renalis* GROTE, Can. Ent., x, 24, 1878.

4410. **terrealis** TREITSCHKE, Schm. Eur., vii, 110, 1829; HEINEMANN, Kleinschm., i, 2, 69, 1865; MEYRICK, Handb. Brit. Lep., 409, 1895. — No. U. S., Eur.

syn. *mysippusalis* WALKER, Cat. Brit. Mus., xviii, 564, 1859; *humilalis* LEDERER, Wien. ent. Mon., vii, 464, 1863.

4411. **extricalis** GUENÉE, Spec. Gén., viii, 338, 1854. — Atl. States.

syn. *dionalis* WALKER, Cat. Brit. Mus., xviii, 758, 1859; *nisaeealis* WALKER, Cat. Brit. Mus., xviii, 771, 1859; *intricatalis* LEDERER, Wien. ent. Mon., vii, 469, 1863; *oppilalis* GROTE, Can. Ent., xii, 36, 1880.

4412. **helvalis** WALKER, Cat. Brit. Mus., xviii, 757, 1859. — No. Atl. States, Col.

syn. *oscitalis* GROTE, Can. Ent., xii, 36, 1880; *gyralis* HULST, Tr. Am. Ent. Soc., xiii, 152, 1886.

4413. **tertialis** GUENÉE, Spec. Gén., viii, 364, 1854. — Atl. States.

syn. *plectilis* GROTE & ROBINSON, Tr. Am. Ent. Soc., i, 27, 1867; *syringicola* PACKARD, Rep. Mass. Bd. Agr., 250, 1870.

CINDAPHIA Lederer.

LEDERER, Wien. ent. Mon., vii, 438, 1863.

4414. **bicoloralis** GUENÉE, Spec. Gén., viii, 205, 1854. — Atl. States, So. Am.

syn. *julialis* WALKER, Cat. Brit. Mus., xvii, 389, 1859; *incensalis* LEDERER, Wien. ent. Mon., vii, 439, 1863; *amiculatalis* BERG, Stett. ent. Zeit., xxxvii, 343, 1876; *pulchripictalis* HAMPSON, Ann. Mag. Nat. Hist., (6), xvi, 341, 1895.

EPICORSIA Hübner.

HÜBNER, Zutr. exot. Schmett., i, 24, 1818; Verz. bek. Schmett., 355, 1826.

4415. **mellinalis** HÜBNER, Zutr. exot. Schmett., i, 24, f. 137, 138, 1818; DYAR, Journ. N. Y. Ent. Soc., ix, 21, 1901. — Fla., W. I., So. Am.

syn. *œdipodalis* GUENÉE, Spec. Gén., viii, 336, 1854; *butyrosa* BUTLER, Proc. Zool. Soc. Lond., 493, 1878.

PYRAUSTA Schrank.

SCHRANK, Faun. Boica, ii, 2, 1802; TREITSCHKE, Schm. Eur., vii, 162, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., viii, 2, 209, 1831; STEPHENS, Ill. Brit. Ent., Haust., iv, 33, 1834; MEYRICK, Trans. Ent. Soc. Lond., 449, 1890; Handb. Brit. Lep., 411, 1895; HAMPSON, Proc. Zool. Soc. Lond., 252, 1899.

*4416. **vacunalis** GROTE, Can. Ent., xiii, 33, 1881. — Cal.

4417. **pertextalis** LEDERER, Wien. ent. Mon., vii, 466, 1863. — Me. to Tex.

syn. *gentilis* GROTE, Bull. Buff. Soc., i, 173, 1873; *thesealis* ZELLER, Verh. zool.-bot. Ges. Wien, 514, 1872.

*4418. **fissalis** GROTE, Bull. U. S. Geol. Surv., vi, 273, 1881. — No. Atl. States.

*4419. **æglealis** WALKER, Cat. Brit. Mus., xviii, 565, 1859. — No. Atl. States.

syn. *quinquelinealis* GROTE, Bull. Buff. Soc., ii, 231, 1875.

4420. **thestealis** WALKER, Cat. Brit. Mus., xviii, 733, 1859. — No. Atl. States.

syn. *magistralis* GROTE, Bull. Buff. Soc., i, 173, 1873; *gulosalis* HULST, Trans. Am. Ent. Soc., xiii, 155, 1886.

4421. **theseusalis** WALKER, Cat. Brit. Mus., xviii, 562, 1859. — Atl. States.

syn. *feudalis* GROTE, Bull. Buff. Soc., ii, 231, 1875.

*4422. **langdonalis** GROTE, Can. Ent., ix, 10, 1877. — Ohio.

4423. **oxydalis** GUENÉE, Spec. Gén., viii, 328, 1854. — Atl. States, So. Am.
syn. *flavidalis* GUENÉE, Spec. Gén., viii, 329, 1854; *tacoalis* WALKER, Cat. Brit. Mus., xviii, 733, 1859; *cinctipedalis* WALKER, Cat. Brit. Mus., xxxiv, 1391, 1865.

*4424. **phyllisalis** WALKER, Cat. Brit. Mus., xix, 936, 1859. — Tex.

*4425. **elealis** WALKER, Cat. Brit. Mus., xvii, 351, 1859. — Pa.
syn. *tadialis* WALKER, Cat. Brit. Mus., xviii, 732, 1859.

*4426. **orphisalis** WALKER, Cat. Brit. Mus., xvii, 310, 1859. — No. Atl. States.
syn. *adipaloides* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 27, 1867.

*4427. **fuscimaculalis** GROTE, Can. Ent., x, 25, 1878. — Tex.
syn. *flavicoloralis* GROTE, Can. Ent., x, 25, 1878; *conforcalis* HULST, Trans. Am. Ent. Soc., xiii, 151, 1886.

4428. **trimaculalis** GROTE, Can. Ent., x, 24, 1878. — Tex.

4429. **gracilalis** HULST, Tr. Am. Ent. Soc., xiii, 151, 1886. — Tex., Ariz., Cal.

*4430. **hædulalis** HULST, Tr. Am. Ent. Soc., xiii, 152, 1886. — Tex.

*4431. **submedialis** GROTE, Can. Ent., viii, 111, 1876. — Can., Ill., Fla., Ariz.
syn. *dissectalis* GROTE, Can. Ent., xii, 36, 1880; *pilalis* HULST, Tr. Am. Ent. Soc., xiii, 151, 1886.

*4432. **venalalis** HULST, Tr. Am. Ent. Soc., xiii, 151, 1886. — N. Y.

*4433. **obumbratalis** LEDERER, Wien. ent. Mon., vii, 467, 1863. — No. Am.

4434. **mustelinalis** PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 262, 1873. — Cal.
syn. *catenulalis* GROTE, Can. Ent., ix, 105, 1877; *monulalis* HULST, Tr. Am. Ent. Soc., xiii, 154, 1886.

*4435. **singularis** LEDERER, Wien. ent. Mon., vii, 475, 1863. — No. Am.?, Brazil.

4436. **fumalis** GUENÉE, Spec. Gén., viii, 358, 1854. — Atl. States.
syn. *orasusalis* WALKER, Cat. Brit. Mus., xviii, 784, 1859; *badipennis* GROTE, Bull. Buff. Soc., i, 88, 1873.

~~4437~~. **illibalis** HÜBNER, Zutr. exot. Schmett., i. 19, f. 95, 96, 1818. — Atl. States.

syn. *arsaltealis* WALKER, Cat. Brit. Mus., xviii, 564, 1859; *euphasalis* WALKER, Cat. Brit. Mus., xix, 1008, 1859; *guttulosa* WALKER, Cat. Brit. Mus., xxvii, 78, 1863; *fascialis* WALKER, Tr. Ent. Soc. Lond., (3), i, 127, 1862; *subjectalis* LEDERER, Wien. ent. Mon., vii, 480, 1863; *magniferalis* WALKER, Can. Nat. & Geol., vi, 41, 1861.

*~~4438~~. **octosignalis** HULST, Tr. Am. Ent. Soc., xiii, 153, 1886. — Tex., Cal.

~~4439~~. **penitalis** GROTE, Can. Ent., viii, 98, 1876. — So. Atl. States.

syn. *nelumbialis* SMITH, Ent. Am., vi, 89, 1890.

~~4440~~. **inconcinnalis** LEDERER, Wien. ent. Mon., vii, 467, 1863. — Ill., Tex., Col., Ariz.

syn. *crocotalis* GROTE, Pap., i, 167, 1881; *festalis* HULST, Tr. Am. Ent. Soc., xiii, 153, 1886.

~~4441~~. **futilalis** LEDERER, Wien. ent. Mon., vii, 467, 1863. — Atl. States.

syn. *erectalis* GROTE, Can. Ent., viii, 99, 1876.

~~4442~~. **fumoferalis** HULST, Tr. Am. Ent. Soc., xiii, 154, 1886. — No. U. S., Cal.

~~4443~~. **unifascialis** PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 261, 1873. — No. U. S., Cal.

syn. *suboliralis* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 261, 1873; *hircinalis* GROTE, Bull. Buff. Soc., ii, 232, 1875; *obnigralis* HULST, Tr. Am. Ent. Soc., xiii, 153, 1886.

*~~4444~~. **torvalis** MÖSCHLER, Wien. ent. Mon., viii, 198, 1864. — Lab., No. Greenl.

syn. *gelida* MCLACHLAN, Jn. Linn. Soc., xiv, 115, 1880.

~~4445~~. **fodinalis** LEDERER, Wien. ent. Mon., vii, 461, 1863. — No. U. S., Cal.

syn. *socialis* GROTE, Can. Ent., ix, 107, 1877.

~~4446~~. **semirubralis** PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 263, 1873. — Cal.

~~4447~~. **perrubralis** PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 264, 1873. — Manitoba, Ariz., Cal.

syn. *scurralis* HULST, Tr. Am. Ent. Soc., xiii, 155, 1886; *postrubralis* HAMPSON, Proc. Zool. Soc. Lond., 262, 1899.

4448. **phœnicealis** HÜBNER, Zutr. exot. Schmett., i, 22, f. 115, 116, 1818. — Atl. States, W. I., So. Am., India, China, Australia.

syn. *opalizalis* GUENÉE, Spec. Gén., viii, 172, 1854; *insignitalis* GUENÉE, Spec. Gén., viii, 173, 1854; *flegialis* WALKER, Cat. Brit. Mus., xvii, 316, 1859; *panopealis* WALKER, Cat. Brit. Mus., xvii, 318, 1859; *eratalis* WALKER, Cat. Brit. Mus., xviii, 578, 1859; *onythesalis* WALKER, Cat. Brit. Mus., xviii, 734, 1859.

*4449. **toralis** GROTE, Pap., i, 178, 1881. — N. Mex.

4450. **acrionalis** WALKER, Cat. Brit. Mus., xix, 925, 1859. — Atl. States.

syn. *acuphisalis* WALKER, Cat. Brit. Mus., xix, 926, 1859; *proceralis* LEDERER, Wien. ent. Mon., vii, 460, 1863; *sumptuosalis* WALKER, Cat. Brit. Mus., xxxiv, 1281, 1865; *haruspica* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 19, 1867.

a. **rufifimbrialis** GROTE, Can. Ent., xiii, 34, 1881.

4451. **rubricalis** HÜBNER, Schm. Eur., Pyr., 22, pl. 16, f. 106, 1796. — Cal.

syn. *similalis* LEDERER, Wien. ent. Mon., vii, 460, 1863; *nescalis* WALKER, Cat. Brit. Mus., xvii, 315, 1859; *californicalis* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 260, 1873.

*4452. **tatalis** GROTE, Can. Ent., ix, 106, 1877. — Tex.

4453. **borealis** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 53, 1867. — Lab., Can., Me.

syn. *matronalis* GROTE, Bull. Buff. Soc., ii, 231, 1875.

4454. **insequalis** GUENÉE, Spec. Gén., viii, 447, 1854. — Atl. States.

syn. *subsequalis* GUENÉE (not HERRICH-SCHAEFFER), Spec. Gén., viii, 177, 1854; *madetesalis* WALKER, Cat. Brit. Mus., xix, 946, 1859; *repletalis* WALKER, Cat. Brit. Mus., xxxiv, 1285, 1865; *efficitalis* WALKER, Cat. Brit. Mus., xxxiv, 1287, 1865.

4455. **generosa** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 20, 1867. — Pa., Ill.

*4456. **flavofascialis** GROTE, Bull. U. S. Geol. Surv., vi, 577, 1882. — N. Mex.

4457. **laticlavia** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 17, 1867. — Pa., Tex., Cal.

a. **cinerosa** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 18, 1867.

4458. **tyralis** GUENÉE, Spec. Gén., viii, 169, 1854. — Ill., Fla., Tex.
syn. *erosnealis* WALKER, Cat. Brit. Mus., xvii, 311, 1859; *diffissa* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 19, 1867; *bellulalis* HULST, Trans. Am. Ent. Soc., xiii, 149, 1886.

*4459. **coccinea** WARREN, Ann. Mag. Nat. Hist., (6), ix, 176, 1892. — Cal.

4460. **costimaculalis** FERNALD, Journ. N. Y. Ent. Soc., ix, 50, 1901. — Fla.

4461. **inornatalis** FERNALD, Can. Ent., xvii, 57, 1885. — Fla., Tex., Mex.
syn. *rosa* DRUCE, Biol. Cent. Am., Lep. Het., ii, 206, 1895.

4461. 1. **signatalis** WALKER, Cat. Brit. Mus., xxxiv, 1282, 1865. — Ill., Mo., Ala., Tex.
syn. *vinulenta* GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 17, 1867.

4462. **volupialis** GROTE, Bull. U. S. Geol. Surv., iii, 799, 1877. — Col.

4463. **augustalis** GROTE, Bull. U. S. Geol. Surv., vi, 273, 1881. — Col., Ariz., Cal.

*4464. **subnicalis** WARREN, Ann. Mag. Nat. Hist., (6), ix, 177, 1892. — U. S.

4465. **atropurpuralis** GROTE, Can. Ent., ix, 104, 1877. — Tex.

4466. **lethalis** GROTE, Can. Ent., xiii, 33, 1881. — Cal.

*4467. **nicalis** GROTE, Bull. U. S. Geol. Surv., iv, 671, 1878. — Manitoba, Nev., Col., Cal.
syn. *uxorculalis* HULST, Trans. Am. Ent. Soc., xiii, 153, 1886.

*4468. **marginalis** WALKER, Cat. Brit. Mus., xxxiv, 1459, 1865. — Manitoba, Me.
syn. *stenopteralis* GROTE, Can. Ent., x, 26, 1878.

4469. **unimacula** GROTE & ROBINSON, Trans. Am. Ent. Soc., i, 14, 1867. — Pa.

*4470. **commortalis** GROTE, Can. Ent., xiii, 233, 1881. — Cal.

*4471. **versicolor** WARREN, Ann. Mag. Nat. Hist., (6), ix, 175, 1892. — U. S.

4472. **funebris** STRÖM, Kgl. Norske Vid. Selsk. Skr., iv, 339, 1768; SCHÖYEN, Stett. ent. Zeit., xl, 399, 1879. — No. Am., Eur.
syn. *octomaculata* LINNÆUS, Mant. Plant. Alt., 540, 1771; *glomeralis* WALKER, Cat. Brit. Mus., xvii, 330, 1859.

4473. **niveicilialis** GROTE, Bull. Buff. Soc., ii, 232, 1875. — Mass., N. Y.

*4473. 1. **abdominalis** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 515, 1872; HAMPSON, Proc. Zool. Soc. Lond., 273, 1899 (type probably lost). — No. Am.

EUSTIXIA Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 24, 1823; *Thelcteria* LEDERER, Wien. ent. Mon., vii, 350, 1863; HAMPSON, Proc. Zool. Soc. Lond., 275, 1899.

4474. **pupula** HÜBNER, Zutr. exot. Schmett., ii, 24, f. 327, 328, 1823. — Atl. States.

4475. **octonalis** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 211, 1873. — Atl. States.

syn. *sexmaculalis* GROTE, Can. Ent., viii, 98, 1876.

CORNIFRONS Lederer.

LEDERER, Wien. ent. Mon., ii, 147, 1858; HAMPSON, Proc. Zool. Soc. Lond., 276, 1899.

4476. **simalis** GROTE, Bull. U. S. Geol. Surv., iv, 670, 1876. — Mont., Oreg.

*4477. **pulveralis** WARREN, Ann. Mag. Nat. Hist., (6), ix, 435, 1892. — Nev.

NOCTUELIA Guenée.

GUENÉE, Spec. Gén., viii, 113, 1854; HAMPSON, Proc. Zool. Soc. Lond., 278, 1899.

4478. **thalialis** WALKER, Cat. Brit. Mus., xviii, 582, 1859. — Tex., W. I., So. Am.

syn. *peruviana* WALKER, Cat. Brit. Mus., xxxiii, 804, 1865; *gelidalis* WALKER, Cat. Brit. Mus., xxxiv, 1229, 1865; *noralis* GROTE, Can. Ent., viii, 156, 1876; *costæmaculalis* SNELLEN, Tijd.v. Ent., xxx, 54, 1887.

4479. **castanealis** HULST, Tr. Am. Ent. Soc., xiii, 157, 1886. — Tex.

*4480. **nuchalis** GROTE, Bull. U. S. Geol. Surv., iv, 675, 1878. — Cal.

4481. **elautalis** GROTE, Pap., i, 168, 1881. — Ariz.

syn. *magnalis* HULST, Tr. Am. Ent. Soc., xiii, 147, 1886.

*4482. **simplex** WARREN, Ann. Mag. Nat. Hist., (6), xvi, 474, 1895. — U. S.

LINEODES Guenée.

GUENÉE, Spec. Gén., viii, 234, 1854; HAMPSON, Proc. Zool. Soc. Lond., 283, 1899; *Scoptonoma* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 328, 1873.

4483. **contortalis** GUENÉE, Spec. Gén., viii, 236, 1854. — Tex., Fla., So. Am.

4484. **integra** ZELLER. Verh. zool.-bot. Ges. Wien, xxiii, 328, 1873; DYAR, Jn. N. Y. Ent. Soc., ix, 22, 1901. — Mo., Tex., Cal., So. Am.

*4485. **interrupta** ZELLER. Verh. zool.-bot. Ges. Wien, xxiii, 329, 1873. — Tex.

4486. **triangulalis** MÖSCHLER, Abh. Senck. Ges., xv, 305, 1889; DYAR, Jn. N. Y. Ent. Soc., ix, 22, 1901. — Fla., W. I.

Subfamily NYMPHULINÆ.

By C. H. FERNALD.

NYMPHULA Schrank.

SCHRANK, Faun. Boica., ii, 2, 162, 1802; TREITSCHKE, Schm. Eur., vii, 127, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., viii, 158, 1831; HERRICH-SCHAEFFER, Schm. Eur., iv, 10, 1848; MEYRICK, Handb. Brit. Lep., 402, 1895; HAMPSON, Trans. Ent. Soc. Lond., 138, 1897; *Hydrocampa* LATREILLE, Fam. Nat. Règ. An., 478, 1825; *Parapoynx* HÜBNER, Verz. bek. Schmett., 362, 1826; *Synclita* LEDERER, Wien. ent. Mon., vii, 448, 1863; *Nymphaëlla* GROTE, No. Am. Ent., i, 97, 1880.

4487. **icciusalis** WALKER, Cat. Brit. Mus., xix, 971, 1859. — Atl. States, So. Am.

syn. *faulalis* WALKER, Cat. Brit. Mus., xix, 973, 1859; *formosalis* CLEMENS, Proc. Acad. Nat. Sci. Phil., 217, 1860; PACKARD, Am. Nat., xviii, 824, 1884; *genuialis* LEDERER, Wien. ent. Mon., vii, 451, 1863; *pacalis* GROTE, Pap., i, 17, 1881.

4488. **nebulosalis** FERNALD, Ent. Amer., iii, 127, 1887. — Fla.

*4489. **gyralis** HULST, Trans. Am. Ent. Soc., xiii, 159, 1886. — Atl. States.

syn. *dentilinea* HAMPSON, Trans. Ent. Soc. Lond., 139, 1897.

4490. **ekthlipsis** GROTE, Can. Ent., viii, 111, 1876. — Me., Mass., N. Y., Can.

4491. **allionealis** WALKER, Cat. Brit. Mus., xvii, 453, 1859. — Ga., Fla., Wis.

syn. *itealis* WALKER, Cat. Brit. Mus., xvii, 458, 1859; *cretacealis* LEDERER, Wien. ent. Mon., vii, 484, 1863; *aptalis* LEDERER, Wien. ent. Mon., vii, 485, 1863; *plenilinealis* GROTE, Pap., i, 17, 1881.

4492. **badiusalis** WALKER, Cat. Brit. Mus., xix, 955, 1859. — Atl. States.

syn. *curviferalis* WALKER, Cat. Brit. Mus., xxxiv, 1331, 1865; *albalis* ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 153, 1869.

4493. **obscuralis** GROTE, Pap., i, 18, 1881. — Me., Mass., N. Y., Pa., Wis.

syn. ? *edyuscongalis* CLEMENS, Proc. Acad. Nat. Sci. Phil., 216, 1860.

4494. **cannalis** QUAINTANCE, Bull. Fla. Ex. Sta., no. 45, 68, 1898. — Fla.

4495. **maculalis** CLEMENS, Proc. Acad. Nat. Sci. Phil., 218, 1860. — Atl. States.

syn. *seminivella* WALKER, Cat. Brit. Mus., xxxv, 1717, 1866; *dipsar* GROTE, No. Am. Ent., i, 97, 1880.

4496. **obliteralis** WALKER, Cat. Brit. Mus., xvii, 399, 1859. — Fla.

syn. *obscuralis* MÖSCHLER, Verh. zool.-bot. Ges. Wien, 432, 1876; *proprialis* FERNALD, Ent. Am., iv, 37, 1888.

ELOPHILA Hübner.

HÜBNER, Tent., 2, 1806; *Cataclysta* HÜBNER, Verz. bek. Schmett., 363, 1826; STEPHENS, Ill. Brit. Ent., Haust., iv, 39, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 7, 1848; GUENÉE, Spec. Gén., viii, 263, 1854; LEDERER, Wien. ent. Mon., vii, 453, 1863; HEINEMANN, Kleinschm., i, 2, 106, 1865; MEYRICK, Handb. Brit. Lep., 402, 1895; HAMPSON, Trans. Ent. Soc. Lond., 147, 1897; *Chrysendeton* GROTE, Pap., i, 16, 1881; *Anydranla* MEYRICK, Trans. Ent. Soc. Lond., 427, 1885.

*4497. **magnificalis** HÜBNER, Eur. Schmett., Pyr., f. 104, 1796. — Mid. States.

syn. *lamialis* WALKER, Cat. Brit. Mus., xvii, 436, 1859; *helopalis* CLEMENS, Proc. Acad. Nat. Sci. Phil., 218, 1860.

4498. **claudialis** WALKER, Cat. Brit. Mus., xvii, 437, 1859. — Fla.

syn. *medicinalis* GROTE, Pap., i, 15, 1881.

4499. **bifascialis** ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 154, 1869. — Tex.

4500. **fulicalis** CLEMENS, Proc. Acad. Nat. Sci. Phil., 217, 1860. — Me., Mass., Pa., N. Mex.

syn. *angulatalis* LEDERER, Wien. ent. Mon., vii, 486, 1863; *confusalis* WALKER, Cat. Brit. Mus., xxxiv, 1334, 1865.

*4501. **avernalis** GROTE, Trans. Kans. Acad. Sci., viii, 53, 1853. — N. Mex.

OLIGOSTIGMA Guenée.

GUENÉE, Spec. Gén., viii, 260, 1854; HAMPSON, Tr. Ent. Soc. Lond., 167, 1897.

4502. **juncealis** GUENÉE, Spec. Gén., viii, 261, 1854. — Fla.

syn. *seminealis* WALKER, Cat. Brit. Mus., xvii, 430, 1859.

DIATHRAUSTA Lederer.

LEDERER, Wien. ent. Mon., 438, 1863; HAMPSON, Tr. Ent. Soc. Lond., 205, 1897.

4503. **reconditalis** WALKER, Cat. Brit. Mus., xix, 943, 1859. — Mass., N. Y., Pa.

syn. *minualis* WALKER, Cat. Brit. Mus., xxxiv, 1297, 1865; *octomaculalis* FERNALD, Ent. Amer., iii, 127, 1887.

Subfamily SCOPARIINÆ.

By C. H. FERNALD.

SCOPARIA Haworth.

HAWORTH, Lep. Brit., iii, 498, 1811; HEINEMANN, Kleinschm., i, 2, 20, 1865; MEYRICK, Handb. Brit. Lep., 419, 1895; HAMPSON, Tr. Ent. Soc. Lond., 229, 1897; *Eudorea* CURTIS, Brit. Ent., vi, 170, 1825; STEPHENS, Ill. Brit. Ent., Haust., iv, 298, 1834; ZELLER, Linn. Ent., i, 265, 1846.

*4504. **lugubralis** WALKER, Cat. Brit. Mus., xxxiv, 1498, 1865. — Can.

*4505. **nominatalis** HULST, Tr. Am. Ent. Soc., xiii, 148, 1886. — Vancouver.

*4506. **atropicta** HAMPSON, Tr. Ent. Soc. Lond., 233, 1897. — U. S.

4507. **basalis** WALKER, Cat. Brit. Mus., xxxiv, 1497, 1865. — Can., N. E., Mid., & W. States.

syn. *biplagialis* WALKER, Cat. Brit. Mus., xxxiv, 1499, 1865; *libella* GROTE, Bull. U. S. Geol. Surv., iv, 675, 1878.

*4508. **rectilinea** ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 5, 1874. — Cal., Vancouver.

syn. *refugalis* HULST, Tr. Am. Ent. Soc., xiii, 148, 1886.

*4509. **delphusa** DRUCE, Biol. Cent. Am., Lep. Het., ii, 279, 1895. — W. States, Mex.

4510. **centuriella** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien., 319, 1776. — Eur., Lab., Can., U. S.

syn. *borealis* LEFÈBRE, Ann. Soc. Ent. Fr., 400, 1835; *numeralis* ZETTERSTEDT, Ins. Lap., 971, 1840; *quadratella* ZETTERSTEDT, Ins. Lap., 997, 1840; *cæcalis* WALKER, Cat. Brit. Mus., xvi, 36, 1858; *caliginosalis* WALKER, Cat. Brit. Mus., xxxiv, 1460, 1865; *ninguidalis* HULST, Tr. Am. Ent. Soc., xiii, 147, 1886.

Subfamily PYRALINÆ.

By C. H. Fernald.

AGLOSSA Latreille.

Latreille, Précis Char. Gén. Ins., 145, 1796; Hist. Nat. Crust. Ins., iii, 414, 1802; v, 323, 1803; xiv, 229, 1805; Duponchel, Hist. Nat. Lép. Fr., viii, 2, 61, 1831; Stephens, Ill. Brit. Ent., Haust., iv, 22, 1834; Herrich-Schaeffer, Schm. Eur., iv, 119, 1848; Guenée, Spec. Gén., viii, 125, 1854; Heinemann, Kleinschm., i, 2, 13, 1865; Meyrick, Handb. Brit. Lep., 428, 1895; Hampson, Trans. Ent. Soc. Lond., 505, 1896.

4511. **cuprealis** Hübner, Verz. bek. Schmett., 348, 1826; Treitschke, Schm. Eur., vii, 38, 1829; Duponchel, Hist. Nat. Lép. Fr., viii, 2, 61, 1831; Stephens, Ill. Brit. Ent., Haust., iv, 23, 1834; Herrich-Schaeffer, Schm. Eur., iv, 119, 1848; Heinemann, Kleinschm., i, 2, 14, 1865; Meyrick, Handb. Brit. Lep., 428, 1895. — U. S., Eur.

syn. *caprealis* Hübner, Schmett. Eur., Pyr. f. 153, 1800; *domalis* Guenée, Spec. Gén., viii, 128, 1854; *enthealis* Hulst, Trans. Am. Ent. Soc., xiii, 160, 1886.

4512. **cestalis** Hulst, Trans. Am. Ent. Soc., xiii, 164, 1886. — Col.

HYPSOPYGIA Hübner.

Hübner, Verz. bek. Schmett., 348, 1826; Stephens, Ill. Brit. Ent., Haust., iv, 26, 1834; Hampson, Trans. Ent. Soc. Lond., 507, 1896.

4513. **costalis** Fabricius, Syst. Ent., 644, 1775; Stephens, Ill. Brit. Ent., Haust., iv, 27, 1834; Heinemann, Kleinschm., i, 2, 15, 1865; Meyrick, Handb. Brit. Lep., 427, 1895. — Eur., Atl. States.

syn. *fimbrialis* Denis & Schiffermüller, Syst. Verz. Wien, 124, 1776.

a. **hyllalis** Walker, Cat. Brit. Mus., xvii, 265, 1859.

PYRALIS Linnæus.

Linnæus, Syst. Nat., i, 533, 1758; Stephens, Ill. Brit. Ent., Haust., iv, 24, 1834; Meyrick, Handb. Brit. Lep., 426, 1895; Hampson, Trans. Ent. Soc. Lond., 507, 1896; *Asopia* Treitschke, Schm. Eur., vi, 2, 316, 1828.

*4514. **cuprina** Zeller, Verh. zool.-bot. Ges. Wien, xxii, 497, 1872. — Mo., Tex.

*4514. 1. **costiferalis** Walker, Cat. Brit. Mus., xxxv, 1977, 1866. — Me., N. J., N. C.

syn. *costigeralis* Walker (not Walker), Cat. Brit. Mus., xxxiv, 1226, 1865.

*4515. **electalis** Hulst, Trans. Am. Ent. Soc., xiii, 146, 1886. — Ariz.

4516. **farinalis** LINNÆUS, Syst. Nat., i, 533, 1758; STEPHENS, Ill. Brit. Ent., Haust., iv, 25, 1834; HÜBNER, Pyr., f. 95, 1796; TREITSCHKE, Schm. Eur., vii, 147, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., viii, 193, 1831; HERRICH-SCHAEFFER, Schm. Eur., iv, 121, 1848; GUENÉE, Spec. Gén., viii, 119, 1854; HEINEMANN, Kleinschm., i, 2, 16, 1865; MEYRICK, Handb. Brit. Lep., 427, 1895. — U. S., Eur., Asia.

HERCULIA Walker.

WALKER, Cat. Brit. Mus., xix, 807, 1859; HAMPSON, Trans. Ent. Soc. Lond., 517, 1896; *Cisse* WALKER, Cat. Brit. Mus., xxvii, 125, 1863; *Buzala* WALKER, Cat. Brit. Mus., xxvii, 129, 1863; *Ocrasa* WALKER, Cat. Brit. Mus., xxxiv, 1212, 1865; *Liva* WALKER, Cat. Brit. Mus., xxxiv, 1254, 1865; *Bejuda* WALKER, Cat. Brit. Mus., xxxiv, 1273, 1865; *Pseudasopia* GROTE, Bull. Buff. Soc., i, 172, 1873.

*4517. **binodulalis** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 501, 1872. — Tex.

4518. **thymetusalis** WALKER, Cat. Brit. Mus., xviii, 565, 1859. — Can., Mass., N. Y.

syn. *devialis* GROTE, Bull. Buff. Soc., ii, 229, 1875.

*4519. **cohortalis** GROTE, Can. Ent., x, 233, 1878. — Col.

4520. **intermedialis** WALKER, Trans. Ent. Soc. Lond., (3), i, 118, 1862. — N. E., N. Y., West. States.

syn. *sodalis* WALKER, Char. Lep. Het., 60, 1869; *squamealis* GROTE, Bull. Buff. Soc., i, 172, 1873.

4521. **olinalis** GUENÉE, Spec. Gén., viii, 118, 1854; ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 499, 1872. — U. S., Can.

syn. *trentonalis* LEDERER, Wien. ent. Mon., vii, 458, 1863.

*4522. **planalis** GROTE, No. Am. Ent., i, 95, 1880. — Col.

syn. *omniculalis* HULST, Tr. Am. Ent. Soc., xiii, 147, 1886; *occidentalis* HULST, Tr. Am. Ent. Soc., xiii, 147, 1886.

4523. **himonialis** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 500, 1872. — Mass.

OMPHALOCERA Lederer.

LEDERER, Wien. ent. Mon., vii, 339, 1863.

4524. **cariosa** LEDERER, Wien. ent. Mon., vii, 339, 1863. — So. Atl. Sta., So. Am.

4525. **dentosa** GROTE, Bull. U. S. Geol. Surv., vi, 272, 1881. — U. S.

Subfamily CHRYSAUGINÆ.

By C. H. Fernald.

SALOBRANA Walker.

Walker, Cat. Brit. Mus., xxviii, 446, 1863; Hampson, Proc. Zool. Soc. Lond., 649, 1897; *Clydonopteron* Riley, Am. Ent., iii, 287, 1880.

4526. **tecomæ** Riley, Am. Ent., iii, 288, 1880. — Mo., W. I., So. Am.

ŒCTOPERIA Zeller.

Zeller, Verh. zool.-bot. Ges. Wien, xxv, 331, 1875; Ragonot, Ann. Soc. Ent. Fr., 494, 1891.

4527. **sincera** Zeller, Verh. zool.-bot. Ges. Wien, xxv, 332, 1875. — Tex.

TOSALE Walker.

Walker, Cat. Brit. Mus., xxviii, 447, 1863; Ragonot, Ann. Soc. Ent. Fr., 499, 1891; Hampson, Proc. Zool. Soc. Lond., 652, 1897; *Fabatana* Walker, Cat. Brit. Mus., xxxiv, 1265, 1865; *Siparocera* Grote, Ann. Lyc. Nat. Hist. N. Y., xi, 128, 1875.

4528. **oviplagalis** Walker, Cat. Brit. Mus., xxxiv, 1265, 1865. — Atl. States, Tex., W. I., So. Am.

syn. *nobilis* Grote, Ann. Lyc. Nat. Hist. N. Y., xi, 128, 1875; *anthœcioides* Grote & Robinson, Trans. Am. Ent. Soc., i, 15, 1867.

PARACHMA Walker.

Walker, Cat. Brit. Mus., xxxiv, 1263, 1865; Hampson, Proc. Zool. Soc. Lond., 659, 1897; *Zazaca* Walker, Cat. Brit. Mus., xxxiv, 1269, 1865; *Perseis* Ragonot, Ann. Soc. Ent. Fr., 538, 1891.

*4529. **ochracealis** Walker, Cat. Brit. Mus., xxxiv, 1263, 1865. — Fla., Tex.

syn. *auratalis* Walker, Cat. Brit. Mus., xxxiv, 1269, 1865; *culiculalis* Hulst, Tr. Am. Ent. Soc., xiii, 147, 1886.

ARTA Grote.

Grote, Bull. Buff. Soc., ii, 229, 1875; Hampson, Proc. Zool. Soc. Lond., 669, 1897; *Heliades* Ragonot, Ann. Soc. Ent. Fr., 534, 1891.

4530. **statalis** Grote, Bull. Buff. Soc., ii, 230, 1875. — N.Y., Ariz., Fla.

syn. *epicœnalis* Ragonot, Ann. Soc. Ent. Fr., 536, 1891; *mulleolella* Hulst, Ent. Am., iii, 133, 1887.

4531. **olivalis** Grote, Can. Ent., x, 24, 1878. — Tex.

CONDYLOLOMIA Grote.

GROTE, Bull. Buff. Soc., i, 176, 1873; RAGONOT, Ann. Soc. Ent. Fr., 510, 1891; HAMPSON, Proc. Zool. Soc. Lond., 673, 1897.

*4532. **participialis** GROTE, Bull. Buff. Soc., i, 177, 1873. Mass., Pa.

GALASA Walker.

WALKER, Cat. Brit. Mus., xxxv, 1801, 1866; HAMPSON, Proc. Zool. Soc. Lond., 674, 1897; *Cordylopeza* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 206, 1873.

4533. **rubidana** WALKER, Cat. Brit. Mus., xxxv, 1802, 1866. Atl. States, W. I.

syn. *nigrinodis* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 206, 1873.

ACALLIS Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 540, 1891; HAMPSON, Proc. Zool. Soc. Lond., 677, 1897.

*4534. **griphalis** HULST, Trans. Am. Ent. Soc., xiii, 146, 1886. Tex., Ariz., Col.

syn. *fernaldi* RAGONOT, Ann. Soc. Ent. Fr., 540, 1891; *angustipennis* WARREN, Ann. Mag. Nat. Hist., (6), vii, 494, 1891.

CHALINITIS Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 528, 1891; HAMPSON, Proc. Zool. Soc. Lond., 684, 1897.

*4535. **olealis** RAGONOT, Ann. Soc. Ent. Fr., 529, 1891. Fla.

Subfamily SCHŒNOBINÆ.

By C. H. FERNALD.

AMESTRIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 545, 1891; HAMPSON, Proc. Zool. Soc. Lond., 904, 1895.

*4536. **oculiferalis** RAGONOT, Ann. Soc. Ent. Fr., 546, 1891. Tex.

PATISSA Moore.

MOORE, Lep. Ceyl., iii, 388, 1886; HAMPSON, Proc. Zool. Soc. Lond., 910, 1895.

4537. **xantholeucalis** GUENÉE, Spec. Gén., viii, 253, 1854. Ga., Fla.

syn. *fasciella* FERNALD, Ent. Am., iii, 38, 1887.

*4538. **flavicostella** FERNALD, Ent. Am., iii, 38, 1887. Fla.

*4539. **vestaliella** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 532, 1872. Fla., Tex.

SCIRPOPHAGA Treitschke.

TREITSCHKE, Schm. Eur., ix, 1, 55, 1832; HERRICH-SCHAEFFER, Schm. Eur., iv, 52, 1848; ZELLER, Chil. et Cram., 1, 1863; HEINEMANN, Kleinschm., i, 2, 110, 1865; HAMPSON, Proc. Zool. Soc. Lond., 912, 1895.

*4540. **albinella** CRAMER, Pap. Exot., iv, pl. 372, f. D, 1781. — So. Am., Fla.

syn. *nivea* WALKER, Cat. Brit. Mus., xxviii, 524, 1863.

4541. **perstrialis** HÜBNER, Zutr. exot. Schmett., iii, 18, 1825. — Fla.

syn. *serriradiellus* WALKER, Cat. Brit. Mus., xxvii, 161, 1863; *macrinellus* ZELLER, Stett. ent. Zeit., xxvii, 152, 1866; Hor. Soc. Ent. Ross., xiii, 10, 1877.

SCHŒNOBIUS Duponchel.

DUPONCHEL, Cat. Lép. Eur., 312, 1844; ZELLER, Chil. et Cram., 3, 1863; HEINEMANN, Kleinschm., i, 2, 111, 1865; FERNALD, Ent. Am., iv, 135, 1888; MEYRICK, Handb. Brit. Lep., 400, 1895; HAMPSON, Proc. Zool. Soc. Lond., 915, 1895.

4542. **sordidellus** ZINCKEN, Germ. Mag., iv, 247, 1821; ZELLER, Chil. et Cram., 4, 1863; FERNALD, Ent. Am., iv, 136, 1888. — Ga., Fla., Ill.

4543. **unipunctellus** ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 314, 1870; FERNALD, Ent. Am., iv, 136, 1888. — Fla., Ill., Tex.

4544. **tripunctellus** ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 314, 1870; FERNALD, Ent. Am., iv, 136, 1888. — Tex.

4545. **melinellus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 205, 1860; ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 313, 1870; FERNALD, Ent. Am., iv, 137, 1888. — Atl. States.

a. **dispersellus** ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 313, 1870; FERNALD, Ent. Am., iv, 138, 1888. — Me. to Tex.

b. **albicostellus** FERNALD, Ent. Am., iv, 138, 1888.

*4546. **clemensellus** ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 313, 1870; FERNALD, Ent. Am., iv, 138, 1888. — Atl. States.

syn. *aquilellus* CLEMENS (not HÜBNER), Proc. Acad. Nat. Sci. Phil., 205, 1860.

4547. **forficellus** THUNBERG, Diss., v, 98, 1794; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 188, 1901. — Eur., Eastern States.

syn. *longirostrellus* CLEMENS, Proc. Acad. Nat. Sci. Phil., 205, 1860; ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 312, 1870; FERNALD, Ent. Am., iv, 139, 1888.

*4548. **maximellus** FERNALD, Can. Ent., xxiii, 30, 1891. — Tex.

Subfamily CRAMBINÆ.

(C.=FERNALD, The Crambidæ of No. Am., Sp. Bull. Mass. Agr. Coll., Jan., 1896.)

UINTA Hulst.

HULST, Ent. Am., iv, 116, 1888; FERNALD, C. 12, 1896.

*4549. **oreadella** HULST, Ent. Am., iv, 116, 1888; FERNALD, C. 13, 1896. — Col.

MESOLIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 282, 1888; HAMPSON, Proc. Zool. Soc. Lond., 962, 1895.

*4550. **incertella** ZINCKEN, Germ. Mag., iv, 253, 1821; ZELLER, Chil. et Cram., 14, 1863; ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 315, 1870; FERNALD, C. 15, 1896. — N. C., Ga., Ill.

syn. *olivella* GROTE, Bull. U. S. Geol. Surv., vi, 274, 1881.

PRIONAPTERYX Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iv, 316, 1834; ZELLER, Chil. et Cram., 13, 1863; HAMPSON, Proc. Zool. Soc. Lond., 963, 1895; FERNALD, C. 13, 1896; *Nuaracc* WALKER, Cat. Brit. Mus., xxvii, 188, 1863.

4551. **nebulifera** STEPHENS, Ill. Brit. Ent., Haust., iv, 317, 1834; WOOD, Ind. Ent., f. 1484, 1854; ZELLER, Chil. et Cram., 13, 1863; FERNALD, C. 14, 1896. — Tex.

4552. **achatina** ZELLER, Chil. et Cram., 13, 1863; FERNALD, C. 14, 1896. — Tex., Ariz.

*4552. 1. **cuneolalis** HULST, Tr. Am. Ent. Soc., xiii, 166, 1886; FERNALD, C. 15, 1896. — Tex.

EUGROTEA Fernald.

FERNALD, C. 16, 1896.

*4553. **dentella** FERNALD, C. 16, 1896. — Fla.

PSEUDOSCHŒNOBIUS Fernald.

FERNALD, Smith's List Lep. Bor. Am., 85, 1891; C. 17, 1896.

4554. **opalescalis** HULST, Trans. Am. Ent. Soc., xiii, 167, 1886; FERNALD, C. 18, 1896. — Ariz., Cal.

syn. *griseosparsa* HAMPSON, Proc. Zool. Soc. Lond., 964, 1895.

RAPHIPTERA Hampson.

HAMPSON, Proc. Zool. Soc. Lond., 962, 1895.

4555. **minimella** ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 315, 1870; FELT, Gr.-Eat. Ins., 88, 1894; FERNALD, C. 23, 1896. — N. Y., Pa., Ill., Tex.

*4556. **argillaceëlla** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 54, 1867; FERNALD, C. 24, 1896. — Lab.

CRAMBUS Fabricius.

FABRICIUS, Ent. Syst., suppl., 464, 1798; LATREILLE, Hist. Nat. Crust. Ins., iii, 416, 1802; xiv, 247, 1805; LEACH, Ed. Ency., ix, 135, 1815; CURTIS, Brit. Ent., iii, 109, 1826; STEPHENS, Ill. Brit. Ent., Haust., iv, 317, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 52, 1848; ZELLER, Chil. et Cram., 14, 1863; HEINEMANN, Kleinschm., i, 2, 117, 1865; MEYRICK, Trans. Ent. Soc. Lond., 481, 1890; Handb. Brit. Lep., 388, 1895; FERNALD, C. 18, 1896; *Tetrachila* HÜBNER, Tent., 1806; *Palparia* HAWORTH, Lep. Brit., 481, 1811; *Argyroteuchia* HÜBNER, Verz. bek. Schmett., 364, 1826; *Eucarphia* HÜBNER, Verz. bek. Schmett., 364, 1826; *Catoptria* HÜBNER, Verz. bek. Schmett., 364, 1826; *Chrysoteuchia* HÜBNER, Verz. bek. Schmett., 366, 1826; *Thisanotia* HÜBNER, Verz. bek. Schmett., 467, 1826; *Evoria* HÜBNER, Verz. bek. Schmett., 467, 1826; *Carranca* WALKER, Cat. Brit. Mus., ix, 119, 1856; *Myeza* WALKER, Cat. Brit. Mus., xxvii, 190, 1863; *Arequipa* WALKER, Cat. Brit. Mus., xxvii, 195, 1863; *Calamotropha* ZELLER, Chil. et Cram., 8, 1863.

4557. **satrapellus** ZINCKEN, Germ. Mag., iv, 247, 1821; ZELLER, Chil. et Cram., 16, 1863; FELT, Gr.-Eat. Ins., 89, 1894; FERNALD, C. 22, 1896. — Ga., Fla., Tex.

syn. *aculeilellus* WALKER, Cat. Brit. Mus., xxvii, 158, 1863; *elegantellus* WALKER, Cat. Brit. Mus., xxvii, 179, 1863.

4558. **hastiferellus** WALKER, Cat. Brit. Mus., xxvii, 155, 1863; FERNALD, C. 22, 1896. — N. S., Pa., Fla., La.

syn. *quinquareatus* ZELLER, Hor. Soc. Ent. Ross., xiii, 38, 1877; *extorralis* HULST, Trans. Am. Ent. Soc., xiii, 165, 1886.

*4559. **occidentalis** GROTE, Can. Ent., xii, 16, 1880; Can. Ent., xiii, 66, 1881; FERNALD, C. 23, 1896. — Cal.

4560. **hamellus** THUNBERG, Diss. Ent., 97, 1794; HERRICH-SCHAEFFER, Schm. Eur., iv, 53, 1848; WOOD, Ind. Ent., f. 1491, 1854; STAINTON, Man., ii, 181, 1859; ZELLER, Chil. et Cram., 17, 1863; HEINEMANN, Kleinschm., i, 2, 119, 1865; MEYRICK, Handb. Brit. Lep., 389, 1895; FERNALD, C. 25, 1896. — Eur., Me.

syn. *ensigerella* HÜBNER, Schm. Eur., Tineæ, pl. liv, f. 367 (false 667), 1803?; ZINCKEN, Germ. Mag., ii, 53, 1817; TREITSCHKE, Schm. Eur., ix, 1, 79, 1832; DUPONCHEL, Hist. Nat. Lép., x, 57, 1836.

4561. **cypridalis** HULST, Trans. Am. Ent. Soc., xiii, 165, 1886; FERNALD, C. 26, 1896. — Utah.

*4562. **carpenterellus** PACKARD, Rep. Hayd. Surv., 548, 1873; FERNALD, C. 26, 1896. — Mts. of Col.

4563. **pascuellus** LINNÆUS, Syst. Nat., 535, 1758; Faun. Suec., 355, 1761; FABRICIUS, Syst. Ent., 658, 1775; HÜBNER, Schm. Eur., Tineæ, pl. v, f. 51, 1796; ZINCKEN, Germ. Mag., ii, 49, 1817; TREITSCHKE, Schm. Eur., ix, 1, 75, 1832; STEPHENS, Ill. Brit. Ent., Haust., iv, 320, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 53, 1848; ZELLER, Chil. et Cram., 20, 1863; HEINEMANN, Kleinschm., i, 2, 120, 1865; MEYRICK, Handb. Brit. Lep., 390, 1895; FERNALD, C. 27, 1896. — Eur., Atl. States, Cal.

syn. *floridus* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 537, 1872; FELT, Gr.-Eat. Ins., 78, 86, 1894.

4564. **girardellus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 204, 1860; FELT, Gr.-Eat. Ins., 73, 86, 1894; FERNALD, C. 28, 1896. — Can., Atl. States.

syn. *nivihumellus* WALKER, Cat. Brit. Mus., xxvii, 159, 1863.

4565. **leachellus** ZINCKEN, Germ. Mag., iii, 114, 1818; FELT, Gr.-Eat. Ins., 71, 85, 1894; FERNALD, C. 29, 1896. — Me. to Cal.

syn. *pulchellus* ZELLER, Chil. et Cram., 18, 1863; Verh. zool.-bot. Ges. Wien, xxii, 535, 1872.

4566. **unistriatellus** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 54, 1867; FELT, Gr.-Eat. Ins., 85, 1894; FERNALD, C. 30, 1896. — Labr., Atl. States, Minn., Cal.

syn. *exesus* GROTE, Can. Ent., xii, 16, 1880; No. Am. Ent., i, 68, 1880.

4567. **præfectellus** ZINCKEN, Germ. Mag., iv, 249, 1821; FERNALD, C. 31, 1896. — Can., Atl. States, Col.

syn. *involutellus* CLEMENS, Proc. Acad. Nat. Sci. Phil., 203, 1860.

*4568. **dissectus** GROTE, Can. Ent., xii, 16, 1880; FERNALD, C. 31, 1896. — Me., N. Y.

4569. **bidens** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 535, 1872; FERNALD, C. 32, 1896. — Mass., N. Y.

4570. **labradoriensis** CHRISTOPH, Stett. ent. Zeit., xix, 314, 1858; MÖSCHLER, Wien. ent. Mon., iv, 379, 1860; ZELLER, Chil. et Cram., 21, 1863; FERNALD, C. 32, 1896. — Labr., Ont., Oreg.

4571. **dumetellus** HÜBNER, Eur. Schmett., Tineæ, pl. lviii, f. 389, 390, 1803?; TREITSCHKE, Schmett. Eur., ix, 1, 80, 1832; STEPHENS, Ill. Brit. Ent., Haust, iv, 321, 1834; HERRICH-SCHAEFFER, Schmett. Eur., iv, 54, 1848; ZELLER, Chil. et Cram., 24, 1863; HEINEMANN, Kleinschm., i, 2, 122, 1865; MEYRICK, Handb. Brit. Lep., 391, 1895; FERNALD, C. 33, 1896. — Eur., Tex., Col., Rocky Mts. north of Mont.

syn. *pratella* HÜBNER, Eur. Schmett., Tineæ, pl. v, f. 29, 1796; *trichusalis* HULST, Trans. Am. Ent. Soc., xiii, 165, 1886.

*4572. **gausapalis** HULST, Trans. Am. Ent. Soc., xiii, 167, 1886; FERNALD, C. 34, 1896. — Sierra Nev. Mts., Cal.

4573. **laqueatellus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 203, 1860; ZELLER, Chil. et Cram., 24, 1863; Verh. zool.-bot. Ges. Wien, xxii, 538, 1872; FELT, Gr.-Eat. Ins., 79, 89, 1894; FERNALD, C. 35, 1896. — Me., Mass., N. Y., Ohio, Ill., Ky., La., Tex.

syn. *semifusellus* WALKER, Cat. Brit. Mus., xxvii, 159, 1863.

*4574. **alboclavellus** ZELLER, Chil. et Cram., 19, 1863; Verh. zool.-bot. Ges. Wien, xxii, 538, 1872; FELT, Gr.-Eat. Ins., 77, 88, 1894; FERNALD, C. 36, 1896. — Atl. States.

4575. **agitatellus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 203, 1860; FELT, Gr.-Eat. Ins., 88, 1894; FERNALD, C. 37, 1896. — No. Atl. States, Tex.

syn. *saltuellus* ZELLER, Chil. et Cram., 22, 1863.

4576. **multilinellus** FERNALD, Ent. Am., iii, 37, 1887. — Fla.

syn. *multilineellus* FERNALD, C. 37, 1896.

4577. **albellus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 204, 1860; FELT, Gr.-Eat. Ins., 76, 88, 1894; FERNALD, C. 38, 1896. — N. Atl. States.

4578. **pusionellus** ZELLER, Chil. et Cram., 16, 1863; Stett. ent. Zeit., xxxiii, 470, 1872; Hor. Soc. Ent. Ross., xiii, 33, 1877; FERNALD, C. 39, 1896. — Cal.

4579. **hortuellus** HÜBNER, Eur. Schm., Tineæ, 29, pl. vii, f. 46, 1796; ZINCKEN, Germ. Mag., ii, 62, 1817; TREITSCHKE, Schm. Eur., ix, 1, 84, 1832; STEPHENS, Ill. Brit. Ent., Haust., iv, 322, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 59, 1848; ZELLER, Chil. et Cram., 24, 1863; HEINEMANN, Kleinschm., i, 2, 125, 1865; MEYRICK, Handb. Brit. Lep., 391, 1895; FERNALD, C. 40, 1896. — Eur., Me., Mass., N. Y., Cal.

syn. *cespitella* HÜBNER, Eur. Schm., Tineæ, 29, pl. vii, f. 45, 1796; *topiarius* ZELLER, Stett. ent. Zeit., xxvii, 155, 1866; GROTE, Can. Ent., xii, 17, 1880; FELT, Gr.-Eat. Ins., 75, 87, 1894; SCUDDER, Ins. Life, vii, 1, 1894.

4580. **perlellus** SCOPOLI, Ent. Carn., 243, 1763; FABRICIUS, Ent. Syst., iii, 2, 292, 1794; HÜBNER, Schm. Eur., Tineæ, pl. vi, f. 40, 1796; ZINCKEN, Germ. Mag., ii, 97, 1817; TREITSCHKE, Schm. Eur., ix, 1, 129, 1832; HERRICH-SCHAEFFER, Schm. Eur., iv, 66, 1848; ZELLER, Stett. ent. Zeit., ix, 313, 1849; Chil. et Cram., 49, 1863; HEINEMANN, Kleinschm., i, 2, 143, 1865; MEYRICK, Hand. Brit. Lep., 393, 1895; FERNALD, C. 43, 1896. — No. Atl. States, Cal.

syn. *argentella* FABRICIUS, Syst. Ent., 658, 1775; Ent. Syst., iii, 2, 296, 1794; Ent. Syst., suppl., 471, 1798; STEPHENS, Ill. Brit. Ent., Haust., iv, 319, 1834; *argyreus* STEPHENS, Ill. Brit. Ent., Haust., iv, 318, 1834; *arbustorum* STEPHENS, Ill. Brit. Ent., Haust., iv, 319, 1834; *innotatellus* WALKER, Cat. Brit. Mus., xxvii, 156, 1863; FELT, Gr.-Eat. Ins., 74, 87, 1894; *sericinellus* ZELLER, Chil. et Cram., 49, 1863; GROTE, Can. Ent., xiii, 66, 1881; *inornatellus* CLEMENS, Proc. Ent. Soc. Phil., ii, 418, 1864.

4581. **turbatellus** WALKER, Cat. Brit. Mus., xxvii, 196, 1863; FELT, Gr.-Eat. Ins., 86, 1894; FERNALD, C. 44, 1896. — Can., N. Y., Pa., Ohio, Ill.

syn. *bipunctellus* ZELLER, Chil. et Cram., 23, 1863; ROBINSON, Lyc. Nat. Hist. N. Y., ix, 316, 1870.

4582. **elegans** CLEMENS, Proc. Acad. Nat. Sci. Phil., 204, 1860; ZELLER, Stett. ent. Zeit., xxxiii, 473, 1872; FELT, Gr.-Eat. Ins., 74, 86, 1894; FERNALD, C. 45, 1896. — Atl. States.

4583. **myellus** HÜBNER, Eur. Schm., Tineæ, pl. vi, f. 37, 1796; HERRICH-SCHAEFFER, Schm. Eur., iv, 64, 1848; HEINEMANN, Kleinschm., i, 2, 133, 1865; MEYRICK, Handb. Brit. Lep., 392, 1895; FERNALD, C. 46, 1896. — Eur., N. S., Me.

syn. *conchellus* TREITSCHKE, Schm. Eur., ix, 1, 97, 1832; *latiradiellus* WALKER, Cat. Brit. Mus., xxvii, 157, 1863; *interruptus* GROTE, Can. Ent., ix, 101, 1877.

*4584. **luctuellus** HERRICH-SCHAEFFER, Schm. Eur., vi, 145, 1852; FERNALD, C. 47, 1896. — Eur., Labr., Wash.

4585. **vulgivagellus** CLEMENS, Proc. Ac. Nat. Sci. Phil., 204, 1860; SAUNDERS, Can. Ent., xiii, 199, 1881; RILEY, Rept. Dept. Agr., 179, 1881–82; LINTNER, Rep. Ins. N. Y., i, 127, 1882; FERNALD, Stand. Nat. Hist., ii, 433, 1884; FELT, Gr.-Eat. Ins., 69, 85, 1894; FERNALD, C. 47, 1896. — No. U. S., Cal.

syn. *aurifimbrialis* WALKER, Cat. Brit. Mus., xxvii, 157, 1863; *chalybirostris* ZELLER, Chil. et Cram., 40, 1863.

4586. **biothanatalis** HULST, Trans. Am. Ent. Soc., xiii, 166, 1886; FERNALD, C. 49, 1896. — Cal.

syn. *behrensellus* FERNALD, Ent. Am., iii, 37, 1887.

4587. **ruricolellus** ZELLER, Chil. et Cram., 40, 1863; FELT, Gr.-Eat. Ins., 67, 1894; FERNALD, C. 49, 1896. — No. Atl. States.

*4588. **anceps** GROTE, Can. Ent., xii, 18, 1880; FERNALD, C. 50, 1896. — Cal.

4589. **teterrellus** ZINCKEN, Germ. Mag., iv, 252, 1821; MURTFELDT, Bull. U. S. Dept. Agr., no. 30, 53, 1893; FELT, Gr.-Eat. Ins., 66, 84, 1894; FERNALD, C. 51, 1896. — Atl. States.

syn. *camurellus* CLEMENS, Proc. Ac. Nat. Sci. Phil., 203, 1860; *terrellus* ZELLER, Chil. et Cram., 27, 1863.

4590. **decorellus** ZINCKEN, Germ. Mag., iv, 250, 1821; ZELLER, Chil. et Cram., 27, 1863; Verh. zool.-bot. Ges. Wien, xxii, 538, 1872; FERNALD, Ent. Amer., iv, 44, 1888; FELT, Gr.-Eat. Ins., 84, 1894; FERNALD, C. 52, 1896. — Atl. States.

syn. *polyactinellus* ZELLER, Chil. et Cram., 25, 1863; *goodelliannus* GROTE, Can. Ent., xii, 17, 1880; *bonusculalis* HULST, Tr. Am. Ent. Soc., xiii, 167, 1886.

*4591. **coloradellus** FERNALD, Can. Ent., xxv, 95, 1893; C. 52, 1896. — Col.

*4592. **bolterellus** FERNALD, Ent. Amer., iii, 37, 1887; C. 53, 1896. — Tex.

*4593. **hulstellus** FERNALD, Can. Ent., xvii, 56, 1885; FELT, Gr.-Eat. Ins., 83, 1894; FERNALD, C. 53, 1896. — Tex.

4594. **attenuatus** GROTE, Can. Ent., xii, 18, 1880; FERNALD, C. 54, 1896. — Br. Col., Cal.

*4595. **albilineëllus** FERNALD, Can. Ent., xxv, 94, 1893; C. 55, 1896. — So. Cal.

4596. **haytiellus** ZINCKEN, Germ. Mag., iv, 254, 1821; FERNALD, C. 55, 1896. — Tex., Haiti.

*4597. **trichostomus** CHRISTOPH, Stett. ent. Zeit., xix, 313, 1858; MÖSCHLER, Wien. ent. Mon., iv, 379, 1860; ZELLER, Chil. et Cram., 28, 1863; FERNALD, C. 56, 1896. — Labr.

syn. *albisinuatella* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 53, 1867.

4598. **truncatellus** ZETTERSTEDT, Ins. Lap., 995, 1840; ZELLER, Chil. et Cram., 28, 1863; HEINEMANN, Kleinschm., i, 2, 128, 1865. — No. Eur., Hudson Bay.

syn. *lienigiellus* ZELLER, Stett. ent. Zeit., iv, 139, 1843; *abstrusellus* WALKER, Cat. Brit. Mus., xxvii, 158, 1863; *rufinalis* WALKER, Cat. Brit. Mus., xxxiv, 1133, 1865.

*4599. **oregonicus** GROTE, Can. Ent., xii, 17, 1880; FERNALD, C. 56, 1896. — Oreg.

4600. **bonifatellus** HULST, Ent. Am., iii, 135, 1887; FERNALD, C. 57, 1896. — Col.

4601. **mutabilis** CLEMENS, Proc. Acad. Nat. Sci. Phil., 204, 1860; FELT, Gr.-Eat. Ins., 64, 83, 1894; FERNALD, C. 57, 1896. — Can. to Tex.

syn. *fuscicostellus* ZELLER, Chil. et Cram., 44, 1863.

4602. **hemiochrellus** ZELLER, Hor. Soc. Ent. Ross., xiii, 49, 1877; FERNALD, C. 58, 1896. — Tex.

*4603. **undatus** GROTE, Can. Ent., xiii, 35, 1881; FERNALD, C. 58, 1896. — Cal.

4604. **trisectus** WALKER, Cat. Brit. Mus., ix, 119, 1856; FERNALD, C. 59, 1896. — Atl. States, Col., B. C.

syn. *interminellus* WALKER, Cat. Brit. Mus., xxvii, 156, 1863; FELT, Gr.-Eat. Ins., 62, 83, 1894; *exsiccatus* ZELLER, Chil. et Cram., 37, 1863; LINTNER, Rep. Ins. N. Y., i, 149, 1882; OSBORN, Rep. Dept. Agr., 154, 1887; *bilituretlus* ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 7, 1874.

*4605. **laciniellus** GROTE, Can. Ent., xii, 18, 1880; FERNALD, C. 60, 1896. — Me.

*4606. **dimidiatellus** GROTE, Ann. Mag. Nat. Hist., (5), ii, 57, 1883; FERNALD, C. 61, 1896. — Col., N. Mex.

4607. **caliginosellus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 204, 1860; FELT, Gr.-Eat Ins., 61, 82, 1894; FERNALD, C. 61, 1896. — Atl. States.

4608. **zeëllus** FERNALD, Can. Ent., xvii, 55, 1885; FORBES, Third Ill. Rep., 12, 15, 1885; FERNALD, C. 62, 1896. — Atl. States. Col.

syn. *refotalis* HULST, Tr. Am. Ent. Soc., xiii, 166, 1886.

4609. **luteolellus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 203, 1860; FELT, Gr.-Eat. Ins., 61, 82, 1894; FERNALD, C. 64, 1896. — Me. to Cal.

syn. *duplicatus* GROTE, Can. Ent., xii, 79, 1880.

a. **ulæ** COCKERELL, Ent. Mon. Mag., xxiv, 272, 1885; FERNALD, C. 65, 1896. — Ariz., Col.

*4610. **inornatellus** WALKER, Cat. Brit. Mus., xxiv, 157, 1863. — Nova Scotia.

THAUMATOPSIS Morrison.

MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 161, 1874; *Propexus* GROTE, Can. Ent., xii, 79, 1880.

*4611. **magnifica** FERNALD, Can. Ent., xxiii, 30, 1891; C. 66, 1896. — Col.

4612. **pexella** ZELLER, Chil. et Cram., 48, 1863; FERNALD, C. 66, 1896. — Ga., Mo., Col.

syn. *macropterellus* ZELLER, Chil. et Cram., 48, 1863; *longipalpus* MORRISON, Proc. Bost. Soc. Nat. Hist., xvii, 161, 1874.

4613. **edonis** GROTE, Can. Ent., xii, 19, 1880; FERNALD, C. 67, 1896. — N. C., Kans.

4614. **repanda** GROTE, Can. Ent., xii, 79, 1880; FERNALD, C. 67, 1896. — Tex., Ariz., Kans., Col.

*4615. **striatella** FERNALD, C. 68, 1896. — No. Ill.

4616. **pectinifer** ZELLER, Hor. Soc. Ent. Ross., xiii, 51 1877; FERNALD, C. 68, 1896. — Tex.

EUFERNALDIA Hulst.

HULST, Jn. N. Y. Ent. Soc., viii, 224, 1901.

4617. **argenteonervella** HULST, Jn. N. Y. Ent. Soc., viii, 224, 1901. — Ariz.

OMMATOPTERYX Kirby.

KIRBY, Handb. Lep., 274, 1897; *Eromene* HÜBNER (not HÜBNER, Verz. bek. Schm., 256), Verz. bek. Schm., 366, 1826; ZELLER, Chil. et Cram., 52, 1863; LEECH, Brit. Pyr., 87, 1886; HAMPSON, Proc. Zool. Soc. Lond., 948, 1895; *Euchromius* GUENÉE (not *Euchromia* HÜBNER), Ind. Méth., 86, 1845; MEYRICK, Trans. Ent. Soc. Lond., 479, 1890; Handb. Brit. Lep., 396, 1895; FERNALD, C. 68, 1896.

4618. **ocellea** HAWORTH, Lep. Brit., 486, 1811; STEPHENS, Ill. Brit. Ent., Haust., iv, 316, 1834; ZELLER, Chil. et Cram., 54, 1863; LEECH, Brit. Pyr., 87, 1886; MEYRICK, Handb. Brit. Lep., 396, 1895; HAMPSON, Moths Ind., iv, 24, 1896; FERNALD, C. 69, 1896. — Eur., No. Africa, So. Asia, Australia, Hawaii, Tex., Ariz., Cal.

syn. *funiculella* TREITSCHKE, Schm. Eur., ix, 1, 200, 1832; ZELLER, Isis, vi, 175, 1839; *cyrilella* COSTA, Faun. Nap. Lep., 2, 1832–36; *cyrilli* ZELLER, Isis, xiv, 760, 1847; HERRICH-SCHAEFFER, Schm. Eur., iv, 67, 1848; *texana* ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 155, 1870; *californicalis* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 264, 1873.

4619. **virescens** HULST, Jn. N. Y. Ent. Soc., viii, 225, 1901. — Ariz.

ARGYRIA Hübner.

HÜBNER, Zutr. exot. Schmett., i, 28, 1818; Verz. bek. Schmett., 372, 1826; WALKER, Cat. Brit. Mus., xxx, 976, 1864; FERNALD, C. 70, 1896; *Urola* WALKER, Cat. Brit. Mus., xxvii, 181, 1863; *Catharylla* ZELLER, Chil. et Cram., 50, 1863; *Ptychopseustis* MEYRICK, Trans. Ent. Soc. Lond., 521, 1889.

4620. **nivalis** DRURY, Ill. Exot. Ent., ii, 25, 1773; FERNALD, No. Am. Ent., 100, 1880; FELT, Can. Ent., xxvii, 96, 1894; FERNALD, C. 71, 1896. — Atl. States.

syn. *argentata* EMMONS, Nat. Hist. N. Y. Agr., v, pl. 40, 1854; *michrochysella* WALKER, Cat. Brit. Mus., xxvii, 181, 1863; *nummulalis* ZELLER, Chil. et Cram., 51, 1863.

4621. **argentana** MARTYN, Psyche, pl. xxxii, f. 95, 1797; FERNALD, C. 71, 1896. — Pa., Ga., Fla., Ill.

syn. *nummulalis* HÜBNER, Zutr. exot. Schmett., i, 30, f. 185, 186, 1818; FERNALD, No. Am. Ent., 101, 1880; *subæneseens* WALKER, Cat. Brit. Mus., xxvii, 182, 1863; *fuscipes* ZELLER, Chil. et Cram., 51, 1863.

4622. **auratella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 204, 1860; FERNALD, C. 72, 1896. — Me. to Cal.

syn. *pulchella* WALKER, Cat. Brit. Mus., xxvii, 183, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 541, 1872.

4623. **lacteëlla** FABRICIUS, Ent. Syst., iii, 2, 313, 1794; HEDEMANN, Stett. ent. Zeit., lv, 300, 1894; FERNALD, C. 72, 1896. — Fla., Tex., W. I., So. Am.

syn. *albana* FABRICIUS, Ent. Syst., Suppl., 476, 1798; HEDEMANN, Stett. ent. Zeit., lv, 300, 1894; *pussillalis* HÜBNER, Zutr. exot. Schm., i, 28, 1818; *abronalis* WALKER, Cat. Brit. Mus., xix, 969, 1859; *lusella* ZELLER, Chil. et Cram., 51, 1863; *rufisignella* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 542, 1872; *pontiella* ZELLER, Hor. Soc. Ent. Ross., xiii, 59, 1877.

DIATRÆA Guilding.

GUILDING, Trans. Soc. Enc. Arts, xlvi, 143, 1832; ZELLER, Hor. Soc. Ent. Ross, xvi, 8, 1881; FERNALD, Ent. Am., iv, 119, 1888; HAMPSON, Proc. Zool. Soc. Lond., 953, 1895; FERNALD, C. 73, 1896.

4624. **saccharalis** FABRICIUS, Ent. Syst., iii, 2, 238, 1794; COMSTOCK, Rept. Dept. Agr., 1880, 240, 1881; RILEY & HOWARD, Ins. Life, iii, 64, 1890; HOWARD, Ins. Life, iv, 95, 1891; BRUNER, Rep. Neb. St. Bd. Ag., 262, 1891; FERNALD, C. 74, 1896. — So. States, W. I., Cent. & So. Am., Hawaii.

syn. *leucaniellus* WALKER, Cat. Brit. Mus., xxvii, 161, 1863; *lineosellus* WALKER, Cat. Brit. Mus., xxvii, 162, 1863; *obliteratellus* ZELLER, Chil. et Cram., 8, 1863; *crambidoides* GROTE, Can. Ent., xii, 15, 1880.

*4625. **alleni** FERNALD, Ent. Am., iv, 120, 1888; C. 75, 1896. — Me.

*4626. **differentialis** FERNALD, Ent. Am., iv, 120, 1888; C. 76, 1896. — Fla.

4627. **idalis** FERNALD, C. 76, 1896. — N. J., Ga.

CHILO Zincken.

ZINCKEN, Germ. Mag., ii, 33, 1817; STEPHENS, Ill. Brit. Ent., Haust., iv, 330, 1834; TREITSCHKE, Schm. Eur., ix, 1, 60, 1832; WESTWOOD, Syn. Gen. Brit. Ins., 114, 1839; HERRICH-SCHAEFFER, Schm. Eur., iv, 50, 1848; ZELLER, Chil. et Cram., 6, 1863; HEINEMANN, Kleinschm., i, 2, 112, 1865; MEYRICK, Trans. Ent. Soc. Lond., 480, 1890; Handb. Brit. Lep., 397, 1895; HAMPSON, Proc. Zool. Soc. Lond., 954, 1895; FERNALD, C. 77, 1896; *Epina* WALKER, Cat. Brit. Mus., xxxv, 1707, 1866; *Donacoscaptes* ZELLER, Hor. Soc. Ent. Ross, xiv, 1877; *Diphryx* GROTE, Bull. U. S. Geol. Surv., vi, 273, 1881.

4628. **plejadellus** ZINCKEN, Germ. Mag., iv, 251, 1821; ZELLER, Chil. et Cram., 26, 1863; FERNALD, C. 78, 1896. — Pa., Ga., La., Wis.

syn. *sabulifera* WALKER, Cat. Brit. Mus., xxvii, 185, 1863; *prolatella* GROTE, Bull. U. S. Geol. Surv., vi, 273, 1881; *oryzaëllus* RILEY, Rep. Dep. Agr., 1 5, 1882.

4629. **densellus** ZELLER, Hor. Soc. Ent. Ross., xvi, 5, 1881; FERNALD, C. 79, 1896. — Fla., Tex., Ill.

syn. *multilineatella* HULST, Ent. Am., iii, 134, 1887.

4630. **squamulellus** ZELLER, Hor. Soc. Ent. Ross., xvi, 5, 1881; FERNALD, C. 79, 1896. — Tex.

4631. **comptulatalis** HULST, Tr. Am. Ent. Soc., xiii, 167, 1886; FERNALD, C. 80, 1896. — Ill., Mo., Col., Neb., Vanc. Id.

4632. **forbesellus** FERNALD, C. 80, 1896. — N. Y., Ill.

CHALCOËLA Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 528, 1872; HAMPSON, Proc. Zool. Soc. Lond., 958, 1895.

4633. **iphitalis** WALKER, Cat. Brit. Mus., xvii, 444, 1859. — So. States.

syn. *aurifera* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 529, 1872.

DICYMOLOMIA Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 530, 1872; HAMPSON, Proc. Zool. Soc. Lond., 959, 1895.

4634. **julianalis** WALKER, Cat. Brit. Mus., xvii, 438, 1859. — So. States.

syn. *decora* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 531, 1872.

4635. **metalliferalis** PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 265, 1873. — Cal.

syn. *sauberi* HEDEMANN, Verh. Ver. Hamb., v, Anhang, 3, 1880.

4636. **pegasalis** WALKER, Cat. Brit. Mus., xvii, 438, 1859. — So. States, W. I.

syn. *principalis* WALKER, Cat. Brit. Mus., xxxiv, 1333, 1865; *egressalis* WALKER, Cat. Brit. Mus., xxxiv, 1335, 1865; *robinsonii* GROTE, Can. Ent., iii, 181, 1871.

Subfamily GALLERIINÆ.

MELISSOBLAPTES Zeller.

ZELLER, Isis, 180, 1839.

*4636. 1. **fuscolimbellus** RAGONOT, Diag. Nouv. Phyc. Gall., 20, 1887. — (Unknown.)

GALLERIA Fabricius.

FABRICIUS, Suppl. Ent., 419, 1798.

4636. 2. **mellonella** LINNÆUS, Syst. Nat., 537, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 11, 1901. — Eur., U. S.

syn. *cereana* LINNÆUS, *cerella* FABRICIUS, *obliquella* WALKER.

PARALIPSA Butler.

BUTLER, Ann. Mag. Nat. Hist., (5), iv, 454, 1879.

4636. 3. **fulminalis** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 560, 1872. — Tex.

*4636. 4. **furellus** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 212, 1873. — N. Y.

*4636. 5. **decorella** HULST, Can. Ent., xxiv, 63, 1892. — N. Y., Can.

APHOMIA Hübner.

HÜBNER, Verz. bek. Schmett., 369, 1816.

4636. 6. **sociella** LINNÆUS, Syst. Nat., 534, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 8, 1901. — Eur., U. S.

syn. *colonella* LINNÆUS, *tribunella* SCHIFFERMÜLLER.

ACHROIA Hübner.

HÜBNER, Verz. bek. Schmett., 163, 1816.

4636. 7. **grisella** FABRICIUS, Ent. Syst., iii, 2, 289, 1794; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3, 1901. — Eur., U. S.

Subfamily EPIPASCHIINÆ.

By George D. Hulst.

EPIPASCHIA Clemens.

Clemens, Proc. Acad. Sci. Phil., 14, 1860; Grote, Proc. Bost. Soc. Nat. Hist., xix, 262, 1877; Bull. Geol. Surv. Terr., iv, 685, 1878; N. Am. Ent., i, 9, 1879; Meyrick, Trans. Ent. Soc. Lond., 62, 1884; 187, 1887; Hulst, Ent. Amer., v, 50, 1889; Hampson, Trans. Ent. Soc. Lond., 463, 465, 1896; *Mochlocera* Grote, Can. Ent., viii, 151, 1876; Bull. Geol. Surv. Terr., iv, 686, 1878; N. Am. Ent., i, 9, pl. 2, f. 2, 1879; Meyrick, Trans. Ent. Soc. Lond., 187, 1887; *Catamola* Meyrick, Trans. Ent. Soc. Lond., 63, 280, 1884; 187, 1887; *Astropometis* Meyrick, Trans. Ent. Soc. Lond., 67, 1884; 187, 1887.

4637. **superatalis** Clemens, Proc. Acad. Sci. Phil., 14, 1860; Grote, Proc. Bost. Soc. Nat. Hist., xix, 262, 1877; Bull. Geol. Surv. Terr., iv, 686, 1878; N. Am. Ent., i, 9, pl. 1, f. 1, 1879; Hulst, Ent. Amer., v, 51, 1889. — U. S., east of plains, Ont., Col.

syn. *borealis* Grote, Bull. Buff. Soc., i, 177, 1873; ii, 77, 1874; Proc. Bost. Soc. Nat. Hist., xix, 262, 1877; *olivalis* Hulst, Trans. Am. Ent. Soc., xiii, 160, 1886.

*4638. **interruptella** Ragonot, Ann. Soc. Ent. Fr., Séances, Oct. 10, p. cl, 1888. — Ariz.

4639. **zelleri** Grote, Can. Ent., viii, 157, 1876; Proc. Bost. Soc. Nat. Hist., xix, 264, 1877; Bull. Geol. Surv. Terr., iv, 686, 1878; No. Am. Ent., i, pl. 2, f. 2, 1879; Hulst, Ent. Amer., v, 52, 1889. — Mo., Tex., N. Mex.

CACOZELIA Grote.

Grote, Proc. Bost. Soc. Nat. Hist., xix, 264, 1887; Bull. Geol. Surv. Terr., iv, 687, 1878; No. Am. Ent. i, 10, pl. 2, f. 3, 1879; Meyrick, Trans. Ent. Soc. Lond., 65, 1884; 187, 1887; Hulst, Ent. Amer., v, 63, 1889.

4640. **basiochrealis** Grote, Proc. Bost. Soc. Nat. Hist., xix, 264, 1877; Bull. Geol. Surv. Terr., iv, 687, 1878; No. Am. Ent., i, 10, pl. 2, f. 3, 1879; Hulst, Ent. Amer., v, 62, 1889. — Tex., Col.

JOCARA Walker.

Walker, Cat. Brit. Mus., xxvii, 115, 1863; Hampson, Trans. Ent. Soc. Lond., 460, 1896; *Toripalpus* Grote, Proc. Bost. Soc. Nat. Hist., xix, 265, 1877; Hulst, Ent. Amer., v, 62, 1889; Hampson, Trans. Ent. Soc. Lond., 460, 1896; *Titanoceros* Meyrick, Trans. Ent. Soc. Lond., 62, 1884; Hampson, Trans. Ent. Soc. Lond., 460, 1896; *Winona* Hulst, Ent. Amer., iv, 113, 1887.

4641. **incrustalis** Hulst, Ent. Amer., iii, 130, 1887; v, 62, 1889; Dyar, Proc. U. S. Nat. Mus., xxiii, 283, 1900. — Col., Fla.

4642. **breviornatalis** Grote, Proc. Bost. Soc. Nat. Hist., xix, 265, 1877; Bull. Geol. Surv. Terr., iv, 688, 1878; No. Am. Ent., i, 10, pl. 2, f. 4, 1879; Hulst, Ent. Amer., v, 63, 1889. — Gulf States, Col.

4643. **dentilineella** Hulst, Jn. N. Y. Ent. Soc., viii, 221, 1900. — Ariz.

ONEIDA Hulst.

HULST, Ent. Amer., v, 63, 1889; HAMPSON, Tr. Ent. Soc. Lond., 455, 1896.

4644. **lunulalis** HULST. Ent. Amer., iii, 130, 1887; v, 64, 1889. — N. Y., Ont.

*4645. **luniferella** HULST, Can. Ent., xxvii, 53, 1895. — Col.

YUMA Hulst.

HULST, Ent. Amer., v, 65, 1889.

4646. **trabalis** GROTE, Pap., i, 18, 1881; HULST, Ent. Amer., v, 63, 1889; RAGONOT, Mon. Phyc., pl. 3, f. 23, 1893. — Tex., Col.

syn. *adulatalis* HULST, Ent. Amer., iii, 129, 1887; v, 65, 1889.

TALLULA Hulst.

HULST, Ent. Amer., iv, 114, 1888; v, 72, 1889; HAMPSON, Trans. Ent. Soc. Lond., 458, 1896.

4647. **atrifascialis** HULST, Trans. Am. Ent. Soc., xiii, 160, 1886; Ent. Amer., iv, 115, 1888; v, 73, 1889; HAMPSON, Trans. Ent. Soc. Lond., 456, 1896. — Gulf States, Col.

BENTA Walker.

WALKER, Cat. Brit. Mus., xxvii, 112, 1863; HAMPSON, Trans. Ent. Soc. Lond., 456, 1896; *Saluda* HULST, Ent. Amer., iv, 113, 1888; v, 66, 1889; HAMPSON, Trans. Ent. Soc. Lond., 456, 1896.

4648. **asperatella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 207, 1860; GROTE, Bull. Geol. Surv. Terr., iv, 691, 1878; HULST, Ent. Amer., iv, 113, 1888; v, 67, 1889. — Ont., Eastern & Gulf States, Tex., Col., Wis., Ariz.

syn. *expandens* WALKER, Cat. Brit. Mus., xxvii, 112, 1863; HULST, Trans. Am. Ent. Soc., xvii, 221, 1890; *fuscolotella* RAGONOT, Ann. Soc. Ent. Fr., Séances, cli, Oct. 10, 1888.

4649. **malanogrammos** ZELLER, Ver. zool.-bot. Ges. Wien, xxii, 546, pl. 3, f. 24a, b, 1872; GROTE, Bull. Geol. Surv. Terr., iv, 689, 1877; HULST, Ent. Amer., v, 67, 1889. — N. Y., Fla., Tex., Col.

a. **diluculella** GROTE, No. Am. Ent., i, 60, 68, pl. 5, f. 10, 1880; Rep. Dept. Agr., 263, 1880.

syn. *talleolalis* HULST, Trans. Am. Ent. Soc., xiii, 160, 1886; Ent. Amer., iii, 22, 1887; v, 67, 1889.

4650. **floridella** HULST, Jn. N. Y. Ent. Soc., viii, 221, 1901. — Fla.

4651. **speciosella** HULST, Jn. N. Y. Ent. Soc., viii, 222, 1901. — Fla.

LANTHAPE Clemens.

Clemens, Proc. Acad. Sci. Phil., 207, 1860; Hulst, Ent. Amer., v, 66, 1889; Hampson, Trans. Ent. Soc. Lond., 456, 1896.

4652. **platanella** Clemens, Proc. Acad. Sci. Phil., 207, 1860; Grote, Bull. Geol. Surv. Terr., iv, 691, 1878; Hulst, Ent. Amer., iv, 114, 1888; v, 66, 1889. — Eastern U. S., Col.

TIOGA Hulst.

Hulst, Ent. Amer., iv, 113, 1888; v, 69, 1889; Hampson, Trans. Ent. Soc. Lond., 455, 1896.

4653. **aplastella** Hulst, Ent. Amer., iv, 113, 1888; v, 69, 1889. — Tex., Col., Fla.

WANDA Hulst.

Hulst, Ent. Amer., iv, 114, 1888; v, 69, 1889; Hampson, Trans. Ent. Soc. Lond., 456, 1896.

4654. **baptisiella** Fernald, Ent. Amer., iii, 128, 1887; Hulst, Ent. Amer., iv, 114, 1888; v, 70, 1889. — N. Y., Mo.

4655. **tiltella** Hulst, Ent. Amer., iv, 114, 1888; v, 70, 1889. — Tex.

TETRALOPHA Zeller.

Zeller, Isis, 880, 1848; Grote, Bull. Geol. Surv. Terr., iv, 688, 1878; No. Am. Ent., i, 10, pl. 2, f. 5, 1879; Hulst, Ent. Amer., v, 69, 1889; Hampson, Trans. Ent. Soc. Lond., 456, 1896; *Katona* Hulst, Ent. Amer., iv, 113, 1888; v, 69, 1889; *Loma* Hulst, Ent. Amer., iv, 114, 1888; v, 69, 1889.

*4656. **nephelotella** Hulst, Ent. Amer., iv, 114, 1888; v, 70, 1889. — Pa., Tex.

4657. **robustella** Zeller, Isis, 881, 1848; Grote, Bull. Geol. Surv. Terr., iv, 690, 1878; Hulst, Ent. Amer., v, 71, 1889. — Tex., Col.

4658. **militella** Zeller, Isis, 880, 1848; Grote, Bull. Geol. Surv. Terr., iv, 689, 1878; Hulst, Ent. Amer., v, 71, 1889. — Tex.

*4659. **formosella** Hulst, Can. Ent., xxxii, 169, 1900. — Tex.

*4660. **slossonii** Hulst, Can. Ent., xxvii, 53, 1895. — Fla.

4661. **euphemella** Hulst, Ent. Amer., iv, 113, 1888; v, 71, 1889. — Tex.

4662. **humerella** Ragonot, Ann. Soc. Ent. Fr., Séances, cli, Oct. 10, 1888. — Tex.

POCOCERA Zeller.

Zeller, Isis, 874, 1848; Hampson, Tr. Ent. Soc. Lond., 456, 1896.

4663. **variella** Ragonot, Ann. Soc. Ent. Fr., Séances, cli, Oct. 10, 1888. — Tex.

syn. *melanographella* Ragonot, Ann. Soc. Ent. Fr., Séances, clii, Oct. 10, 1888.

4664. **subcanalis** WALKER, Cat. Brit. Mus., xxvii, 56, 1863. — Tex.

syn. *texanella* RAGONOT, Ann. Soc. Ent. Fr., Séances, clii, Oct. 10, 1888.

ATTACAPA Hulst.

HULST, Ent. Amer., v, 71, 1889; HAMPSON, Trans. Ent. Soc. Lond., 456, 1896.

4665. **callipeplella** HULST, Ent. Amer., iv, 114, 1888; v, 71, 1889. — Tex., Cal.

DYARIA Neumoegen.

NEUMOEGEN, Can. Ent., xxv, 214, 1893.

4666. **singularis** NEUMOEGEN, Can. Ent., xxv, 214, 1893; DYAR, Can. Ent., xxxii, 284, 1900. (= *Cœnodomus hockingii* WALSINGHAM?) — Me.?

Subfamily PHYCITINÆ.

By GEORGE D. HULST.

(C.=RAGONOT, Mon. Phyc. Gall., Romanoff, Mém. Lép., vii, 1893.)

TRACHYCERA Ragonot.

RAGONOT, C. 2, 1893.

*4667. **pallicornella** RAGONOT, Diag. N. Am. Phyc., 119, 1890; C. 2. — Tex.

SARASOTA Hulst.

HULST, Jn. N. Y. Ent. Soc., vii, 222, 1901.

4668. **plumigerella** HULST, Jn. N. Y. Ent. Soc., vii, 222, 1901. — Fla.

MYELOIS Hübner.

HÜBNER, Verz. bek. Schmett., 371, 1818; ZELLER, Isis, 176, 1839; 729, 1843; 585, 681, 1848; HERRICH-SCHAEFFER, Eur. Schm., iv, 95, 1849; HEINEMANN, Pyr., 178, 1865; MEYRICK, Proc. Linn. Soc. N. S. Wales, iii, 211, 1878; vii, 155, 1882; RAGONOT, Ent. Mon. Mag., xxii, 19, 1885; HULST, Trans. Am. Ent. Soc., xvii, 116, 1890; RAGONOT, C. 25.

*4669. **transitella** WALKER, Cat. Brit. Mus., xxvii, 54, 1863; HULST, Trans. Am. Ent. Soc., xvii, 218, 1890; RAGONOT, C. 42. — Fla.

syn. *notatalis* WALKER.

*4670. **subtetricella** RAGONOT, Ent. Amer., v, 113, 1889; C. 47. — No. Am.

4671. **obnupsella** HULST, Trans. Am. Ent. Soc., xvii, 118, 1890; RAGONOT, C. 48. — Ont., Fla., Pa.

*4672. **minutulella** Hulst, Ent. Amer., iii, 136, 1887; Ragonot, C. 48. — Tex.

*4673. **texanella** Hulst, Can. Ent., xxiv, 60, 1892. — Tex.

*4674. **zonulella** Ragonot, Ent. Amer., v, 117, 1889; C. 49. — Ill.

4675. **leucophæella** Hulst, Can. Ent., xxiv, 60, 1892. — Col.

4676. **bistriatella** Hulst, Ent. Amer., iii, 136, 1887; Ragonot, C. 51. — N. Y., D. C., Iowa, Fla., Wis., Col.

syn. *bilineatella* Ragonot, Diag. N. Am. Phyc., 3, 1887; C. 48; *immundella* Hulst, Trans. Am. Ent. Soc., xvii, 117, 1890; Ragonot, C. 49.

*4677. **grossipunctella** Ragonot, Diag. Nov. Gen. Sp. Phyc., 8, 1887; C. 51. — Cal.

*4678. **alatella** Hulst, Ent. Amer., iii, 135, 1887; Ragonot, C. 52. — N. J., N. Mex., Ariz., Cal.

syn. *rectistrigella* Ragonot.

*4679. **dulciella** Hulst, Can. Ent., xxxii, 176, 1900. — Fla.

*4680. **corniella** Ragonot, Diag. N. Am. Phyc., 2, 1887; C. 53. — Nev., Cal., Ariz.

syn. *comiella* Hulst, Sm. List. Lep. Bor. Amer., no. 4254, 1891.

*4681. **duplipunctella** Ragonot, Diag. N. Am. Phyc., 2, 1857; C. 56. — Fla.

RHODOPHÆA Guenée.

Guenée, Ann. Soc. Ent. Fr., 312, 1845; Index Méth., 74, 1845; Ragonot, Ent. Mon. Mag., xxii, 19, 1885; Hulst, Trans. Am. Ent. Soc., xvii, 119, 1890; C. 68.

4682. **hystriculella** Hulst, Ent. Amer., iii, 135, 1887; Ragonot, C. 73. — Tex.

*4683. **exsulella** Zeller, Isis, 868, 1848; Hulst, Trans. Am. Ent. Soc., xvii, 120, 1890; Ragonot, C. 80. — N. C., Ga.

ACROCAULA Hulst.

Hulst, Can. Ent., xxxii, 169, 1900.

*4684. **comacornella** Hulst, Can. Ent., xxxii, 170, 1900. — Tex.

ACROBASIS Zeller.

Zeller, Isis, 176, 1839; 731, 1846; 585, 606, 1848; Herrich-Schaeffer, Enr. Schm., iv, 99, 1849; Heinemann, Pyr., 175, 1865; Grote, Bull. Geol. Surv. Terr., iv, 692, 1878; No. Am. Ent., i, 10, 1879; Ragonot, Ent. Mon. Mag., xxii, 19, 1885; Hulst, Trans. Am. Ent. Soc., xvii, 120, 1890; Ragonot, C. 85.

4685. **palliolella** Ragonot, Diag. N. Am. Phyc., 4, 1887; C. 92. — Ont.

syn. *albocapitella* Hulst.

*4686. **demotella** GROTE, Pap., i, 14, 1881; Bull. Geol. Surv. Terr., vi, 590, 1882; RAGONOT, C. 103. — Ont. to N. Y.

4687. **angusella** GROTE, No. Am. Ent., i, 51, 1880; Bull. Geol. Surv. Terr., vi, 590, 1880; RAGONOT, C. 104. — Ont., N. Y.

4688. **caryæ** GROTE, Pap., i, 13, 1881; HULST, Trans. Am. Ent. Soc., xvii, 122, 1890; RAGONOT, C. 105. — Mass., N. Y., Ill., Tex.

syn. *minimella* RAGONOT.

*4689. **nigrosignella** HULST, Trans. Am. Ent. Soc., xvii, 123, 1890; RAGONOT, C. 105. — Tex.

*4690. **caryivorella** RAGONOT, Diag. N. Am. Phyc., 4, 1887; C. 108. — Mo.

syn. *caryævorella* HULST, Trans. Am. Ent. Soc., xvii, 121, 1890; *canjivorella* HULST, Sm. List Lep. Bor.-Amer., no. 4262, 1891.

*4691. **cirroferella** HULST, Can. Ent., xxiv, 60, 1892. — Tex., Col.

4692. **rubrifasciella** PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 267, 1873; RAGONOT, C. 106. — N. Eng., N. Y., Col.

4693. **betulella** HULST, Trans. Am. Ent. Soc., xvii, 125, 1890; RAGONOT, C. 107. — N. Y., N. H., Col.

4694. **comptoniella** HULST, Trans. Am. Ent. Soc., xvii, 125, 1890; RAGONOT, C. 108. — N. Eng., N. Y.

4695. **hebescella** HULST, Trans. Am. Ent. Soc., xvii, 126, 1890; RAGONOT, C. 109. — N. J., Tex., Ill., Wis.

*4696. **fructetella** HULST, Can. Ent., xxiv, 59, 1892. — Tex., Ariz., Col.

MINEOLA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 126, 1890; RAGONOT, C. 86.

*4697. **scitulella** HULST, Can. Ent., xxxii, 169, 1900. — Col.

4698. **tricolorella** GROTE, Bull. Geol. Surv. Terr., iv, 694, 1878; RAGONOT, C. 93. — Cal., Nev., Me.

4699. **rubescentella** HULST, Can. Ent., xxxii, 169, 1900. — Tenn.

4700. **amplexella** RAGONOT, Diag. N. Am. Phyc., 3, 1887; C. 97. — Atl. States.

*4701. **caliginella** HULST, Ent. Amer., iii, 131, 1887; v, 156, 1889; RAGONOT, C. 115. — Cal., Ariz., N. Mex.

syn. *comptella* RAGONOT.

4702. **juglandis** LE BARON, Ins. Ills., ii, 123, 1872; RAGONOT, C. 120. — Atl. States.

4703. **vaccinii** RILEY, Can. Ent., xvi, 237, 1884; RAGONOT, C. 121. — N. Eng., N. J., Tex.

4704. **indigenella** ZELLER, Isis, 651, 1848; RAGONOT, C. 118. — Atl. States.

syn. *nebulo* WALSH, *zelatella* HULST.

a. **nebulella** RILEY, Ins. Mo., iv, 41, 1872; RAGONOT, C. 118.

ULOPHORA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., Séances, 7, 1890; HULST, Trans. Am. Ent. Soc., xvii, 222, 1890; RAGONOT, C. 155.

*4705. **grotei** RAGONOT, Ann. Soc. Ent. Fr., Séances, p. vii, 1890; HULST, Trans. Am. Ent. Soc., xvii, 222, 1890; RAGONOT, C. 156. — N. C.

PIESMOPODA Zeller.

ZELLER, Isis, 606, 683, 1848; HULST, Trans. Am. Ent. Soc., xvii, 132, 1890; RAGONOT, C. 158.

*4706. **subrufella** HULST, Ent. Amer., iii, 132, 1887; RAGONOT, C. 166. — Fla.

*4707. **filiolella** HULST, Ent. Amer., iv, 117, 1888; RAGONOT, C. 166. — Fla., Tex.

PHYCITOPSIS Ragonot.

RAGONOT, Diag. No. Am. Phyc., 4, 1887; HULST, Trans. Am. Ent. Soc., xvii, 133, 1890; RAGONOT, C. 185.

*4708. **flavicornella** RAGONOT, Diag. No. Am. Phyc., 4, 1887; C. 185. — Tex.

DIORYCTRIA Zeller.

ZELLER, Isis, 732, 1846; 585, 1848; HEINEMANN, Pyr., 148, 1865; RAGONOT, Ent. Mon. Mag., xxii, 52, 1885; C. 187.

*4709. **clarioralis** WALKER, Cat. Brit. Mus., xxvii, 54, 1863; HULST, Trans. Am. Ent. Soc., xvii, 136, 1890; RAGONOT, C. 193. — U. S., Fla.?

*4710. **aurantiacella** GROTE, Trans. Kans. Acad. Sci., viii, 57, 1883; Ann. Mag. Nat. Hist., (5), xi, 57, 1883; RAGONOT, C. 194. — Col., N. Mex., Ariz.

syn. *miniatella* RAGONOT.

4711. **abietella** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, x, 138, 1776; STAUDINGER & REBEL, Cat. Lep. Eur. ii, no. 700, 1901; RAGONOT, C. 198. — Atl. States, Col., Wash., Europe.

syn. *decuriella* HÜBNER, *sylvestrella* RATZEBURG, *abietivorella* GROTE.

*4712. **reniculella** GROTE, No. Am. Ent., i, 67, 1880; RAGONOT, C. 200. — Atl. States.

MONOPTILOTA Hulst.

Hulst, Can. Ent., xxxii, 13, 1900.

4713. **nubilella** Hulst, Can. Ent., xxxii, 13, 1900. — Md., Fla., Ala.

4714. **actualis** Hulst, Trans. Am. Ent. Soc., xiii, 161, 1886; Ragonot, C. 203. — Col.

PINIPESTIS Grote.

Grote, Can. Ent., x, 19, 1878; Bull. Geol. Surv. Terr., iv, 699, 1878; Hulst, Trans. Am. Ent. Soc., xvii, 136, 1890.

4715. **zimmermanni** Grote, Can. Ent., ix, 161, 1877; x, 19, 1878; Packard, Ins. Inj. to Shade Trees, 182, 1881; Grote, No. Am. Ent., i, 11, pl. 2, f. 10, 1879; Zimmermann, Can. Ent., x, 20, 1878; Ragonot, C. 190. — N. Y., Pa.

*4716. **amatella** Hulst, Ent. Amer., iii, 131, 1887; Ragonot, C. 191. — Fla.

*4717. **pygmæella** Ragonot, Diag. No. Am. Phyc., 5, 1887; C. 192. — N. C., Fla.

*4718. **albovittella** Hulst, Trans. Am. Ent. Soc., xvii, 138, 1890; Ragonot, C. 193. — N. Mex., Col.

syn. *gulosella* Hulst, Trans. Am. Ent. Soc., xvii, 126, 1890; Ragonot, C. 109; *elegantella* Hulst, Can. Ent., xxvii, 59, 1895.

*4719. **umbripennis** Hulst, Can. Ent., xxvii, 57, 1895. — Col.

TACOMA Hulst.

Hulst, Ent. Amer., iv, 115, 1888; Trans. Am. Ent. Soc., xvii, 139, 1890; Ragonot, C. 205.

4720. **feriella** Hulst, Ent. Amer., iv, 115, 1888; Ragonot, C. 205. — Tex.

DASYPYGA Ragonot.

Ragonot, Diag. No. Am. Phyc., 5, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 138, 1890; Ragonot, C. 206.

*4721. **alternosquamella** Ragonot, Diag. No. Am. Phyc., 5, 1887; C. 206. — Cal., Ariz.

a. **stictophorella** Ragonot, Diag. No. Am. Phyc., 5, 1887; C. 206.

PROMYLEA Ragonot.

Ragonot, Diag. No. Am. Phyc., 5, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 139, 1890; Ragonot, C. 207.

*4722. **lunigerella** Ragonot, Diag. No. Am. Phyc., 5, 1887; C. 208. — Vancouver Id.

GLYPTOCERA Ragonot.

Ragonot, Ent. Amer., v, 114, 1889; Ann. Soc. Ent. Fr., Séances, Jan. 8, vii, 1890; Hulst, Trans. Am. Ent. Soc., xvii, 140, 1890; Ragonot, C. 209.

*4723. **consobrinella** Zeller, Verh. zool.-bot. Ges. Wien, 528, 1872; Ragonot, C. 210. — Fla., Tex.

ORTHOLEPIS Ragonot.

Ragonot, Diag. No. Am. Phyc., 6, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 140, 1890; Ragonot, C. 214.

*4724. **jugosella** Ragonot, Diag. No. Am. Phyc., 6, 1887; C. 214. — Cal.?

POLOPEUSTIS Ragonot.

Ragonot, C. 232, 1893.

*4725 **annulatella** Zetterstedt, Ins. Lap., 997, 1840; Ragonot, C. 233. — Lab., Eur.

syn. *altensis* Wocke; Möschler, Verh. zool.-bot. Ges. Wien, 309, 1884.

AMBESA Grote.

Grote, No. Am. Ent., i, 98, 1880; Hulst, Trans. Am. Ent. Soc., xvii, 141, 1890; Ragonot, C. 237; *Pristophora* Ragonot, Ann. Soc. Ent. Fr., 229, 1887; C. 242.

*4726. **walsinghami** Ragonot, Diag. No. Am. Phyc., 6, 1887; C. 239. — Col., Ariz.

4727. **lætella** Grote, No. Am. Ent., i, 98, 1880; Ragonot, C. 240. — Col.

*4728. **lallatalis** Hulst, Trans. Am. Ent. Soc., xiii, 161, 1885; Ragonot, C. 241. — Col., Nev.

syn. *denticulella* Ragonot, *brucei* Hulst, Can. Ent., xxvii, 55, 1895.

*4729. **niviella** Hulst, Ent. Amer., iv, 117, 1888; Ragonot, C. 241. — Col.

NEPHOPTERYX Hübner.

Hübner, Verz. bek. Schmett., 370, 1818; Zeller, Isis, 731, 732, 1846; 585, 1848; Herrich-Schaeffer, Eur. Schm., iv, 78, 1849; Heinemann, Pyr., 149, 1865; Grote, Bull. Geol. Surv. Terr., iv, 695, 1878; No. Am. Ent., i, 11, 1879; Meyrick, Proc. Linn. Soc. N. S. Wales, iii, 201, 1878; Ragonot, Ent. Mon. Mag., xxii, 19, 1885; Hulst, Trans. Am. Ent. Soc., xvii, 142, 1890; Ragonot, C. 241.

4730. **scobiella** Grote, No. Am. Ent., i, 51, 1880; Ragonot, C. 266. — Tex., N. Mex.

syn. *decimerella* Hulst.

4731. **pergratialis** Hulst, Trans. Am. Ent. Soc., xiii, 162, 1886; Ragonot, C. 267. — Ga., Fla.

syn. *grotella* Ragonot.

*4732. **modestella** Hulst, Can. Ent., xxxii, 170, 1900. — Mass.

4733. **furfurella** HULST, Ent. Amer., iii, 131, 1887; RAGONOT, C. 269. — Fla., Tex.

4734. **ovalis** PACKARD, Ann. N. Y. Lyc. Nat. Hist., x, 269, 1873; GROTE, No. Am. Ent., i, 11, pl. 2, f. 9, 1880; RAGONOT, C. 269. — East. U. S., Col., Cal., Tex.

syn. *latifasciella* PACKARD.

a. **geminipunctella** RAGONOT, Diag. No. Amer. Phyc., 7, 1887; C. 269.

*4735. **rhypodella** HULST, Ent. Amer., iii, 137, 1887; RAGONOT, C. 270. — Ill., Cal., Tex.

syn. *curvatella* RAGONOT.

*4736. **fasciolalis** HULST, Trans. Am. Ent. Soc., xiii, 162, 1886; RAGONOT, C. 271. — Cal., Nev., Brit. Col.

*4737. **hypochalciella** RAGONOT, Diag. No. Am. Phyc., 7, 1887; C. 272. — Wash.

*4738. **rubrisparsella** RAGONOT, Diag. No. Am. Phyc., 6, 1887; C. 284. — Tex.

syn. *rufibasella* RAGONOT; *croccella* HULST.

*4739. **crassifasciella** RAGONOT, Diag. No. Am. Phyc., 8, 1887; C. 285. — Cal.

*4740. **inquilinella** RAGONOT, Diag. No. Am. Phyc., 8, 1887; C. 290. — Wis.

*4741. **gilvibasella** HULST, Trans. Am. Ent. Soc., xvii, 145, 1890; C. 289. — Tex.

*4742. **subtinctella** RAGONOT, Diag. No. Am. Phyc., 7, 1887; C. 302. — Cal.

TLASCALA Hulst.

HULST, Trans. Am. Ent. Soc., xvii, 146, 1890; RAGONOT, C. 255.

*4743. **finitella** WALKER, Cat. Brit. Mus., xxvii, 53, 1863; RAGONOT, C. 282. — N. Sco., Fla., Col.

4744. **reductella** WALKER, Cat. Brit. Mus., xxvii, 62, 1863; RAGONOT, C. 283. — S. C., Ohio, N. Y.

syn. *gleditschiella* FERNALD.

MEROPTERA Grote.

GROTE, Can. Ent., xiv, 29, 1882; HULST, Trans. Am. Ent. Soc., xvii, 148, 1890; RAGONOT, C. 321; *Oreana* HULST, Ent. Amer., iv, 115, 1888.

*4745. **mirandella** RAGONOT, Mon. Phyc. Gall., i, 313, 1893. — Col.

4746. **pravella** GROTE, Bull. Geol. Surv. Terr., iv, 694, 1878; RAGONOT, C. 314. — East. U. S., Col., Ont.

*4747. **uvinella** RAGONOT, Diag. No. Am. Phyc., 8, 1887; C. 315. — U. S.?

*4748. **unicolorella** Hulst, Ent. Amer., iii, 136, 1887; C. 315. — Ont., Wash.

*4749. **canescentella** Hulst, Trans. Am. Ent. Soc., xvii, 149, 1890; Ragonot, C. 319. — Tex.

SALEBRIA Zeller.

Zeller, Isis, 733, 1846; 779, 1848; Heinemann, Pyr., 155, 1865; Grote, Bull. Geol. Surv. Terr., iv, 695, 1878; No. Am. Ent., i, 11, 1879; Ragonot, Ent. Mon. Mag., xxii, 19, 1885; Hulst, Trans. Am. Ent. Soc., xvii, 149, 1893; Ragonot, C. 327.

*4750. **pumilella** Ragonot, Diag. No. Am. Phyc., 8, 1887; C. 344. — Col., Tex., N. Mex., Ariz.

4751. **nubiferella** Ragonot, Diag. No. Am. Phyc., 8, 1887; C. 344. — Tex., Col.

*4752. **turpidella** Ragonot, Mon. Phyc. Gall., i, 346, pl. 13, f. 24, 1893. — Mass., Col.

4753. **annulosella** Ragonot, Diag. No. Am. Phyc., 7, 1887; C. 346. — Mass., Tex., Col.

*4754. **tenebrosella** Hulst, Ent. Amer., iii, 136, 1887; Ragonot, C. 347. — S. C., Tex.

syn. *quercicolella* Ragonot.

*4755. **delectella** Hulst, Can. Ent., xxvii, 57, 1895. — Col.

4756. **lævigatella** Hulst, Can. Ent., xxiv, 61, 1892. — Col.

*4757. **afflictella** Hulst, Can. Ent., xxxii, 170, 1900. — N. J.

*4758. **nigricans** Hulst, Can. Ent., xxxii, 171, 1900. — Ariz.

4759. **contatella** Grote, No. Am. Ent., i, 49, 1880; Ragonot, C. 348. — East. U. S., Col., Can.

syn. *?subcæsiella* Clemens, Proc. Acad. Sci. Phil., 206, 1860.

a. **quinquepunctella** Grote, No. Am. Ent., i, 50, 68, pl. 5, f. 6, 1880; Ragonot, C. 348.

syn. *?virgatella* Clemens, Proc. Acad. Sci. Phil., 206, 1860.

b. **inconditella** Ragonot, Mon. Phyc. Gall., i, 348, pl. 15, f. 2, 1893.

4760. **celtidella** Hulst, Trans. Am. Ent. Soc., xvii, 155, 1890; Ragonot, C. 354. — N. Eng., N. Y., Fla.

*4761. **pudibundella** Ragonot, Mon. Phyc. Gall., i, 350, 1893. — Col.

4762. **georgiella** Hulst, Can. Ent., xxvii, 57, 1895. — Fla.

*4763. **subfuscella** Ragonot, Diag. No. Am. Phyc., 8, 1887; C. 351. — Tex.

*4764. **slossonella** Hulst, Can. Ent., xxxii, 170, 1900. — Fla.

*4765. **lacteella** Hulst, Can. Ent., xxxii, 171, 1900. — Tex.

4766. **semiobscurella** HULST, Trans. Am. Ent. Soc., xvii, 151, 1890; RAGONOT, C. 352. — N. Y., Tex., Col.

4767. **basilaris** ZELLER, Ver. zool.-bot. Ges. Wien, xxii, 548, pl. 3, f. 23, 1872; GROTE, No. Am. Ent., i, 51, 1880; RAGONOT, C. 353. — Mass., Col., Tex.

*4768. **aliculella** HULST, Ent. Amer., iii, 135, 1887; RAGONOT, C. 367. — Ariz.

syn. *oberthurella* RAGONOT.

*4769. **bifasciella** HULST, Ent. Amer., iii, 132, 1887; RAGONOT, C. 366. — Ariz.

*4770. **odiosella** HULST, Ent. Amer., iii, 132, 1887; RAGONOT, C. 366. — Tex., Col.

*4771. **carneella** HULST, Ent. Amer., iii, 131, 1887; RAGONOT, C. 367. — Me., Mass.

*4772. **purpurella** HULST, Can. Ent., xxiv, 61, 1892. — Ill.

PASSADENA Hulst.

HULST, Can. Ent., xxxii, 171, 1900.

4773. **constantella** HULST, Can. Ent., xxxii, 171, 1900. — S. C.

MYRLÆA Ragonot.

RAGONOT, Mon. Phyc. Gall., i, 394, 1893.

*4774. **tarmitalis** HULST, Trans. Am. Ent. Soc., xiii, 163, 1886; RAGONOT, C. 401. — Col.

4775. **delassalis** HULST, Trans. Am. Ent. Soc., xiii, 161, 1886; RAGONOT, C. 402. — Col., Ariz., N. Mex.

syn. *fernaldi* RAGONOT.

LAODAMIA Ragonot.

RAGONOT, Nouv. Gén. Spec. Phyc., 22, 1888; HULST, Trans. Am. Ent. Soc., xvii, 156, 1890; RAGONOT, C. 403.

4776. **fusca** HAWORTH, Lep. Brit., 493, 1828; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 232, pl. 115, f. 29, 1849; WALLENGREN, Pyr., 1036, 1859; GROTE, No. Am. Ent., i, 11, pl. 2, f. 7, 1879; MÖSCHLER, Stett. ent. Zeit., 393, 1880; Ver. zool.-bot. Ges. Wien, 309, 1884; FREY, Lep. Schw., 274, 1880; RAGONOT, C. 408. — Arctic Am., Eur.

syn. *spadaceella* ZINCKEN, *carbonariella* FISCHER, *posticella* ZETTERSTEDT, *janthinella* DUPONCHEL, *mœstella* WALKER, *undulatella* WALKER, Cat. Brit. Mus., xxxv, 1711, 1866; *cacabella* HULST.

a. **frigidella** PACKARD, Proc. Bost. Soc. Nat. Hist., 53, 1866; RAGONOT, C. 408.

ELASMOPALPUS Blanchard.

Blanchard, Gay, Hist. Chili, Zool., vii, 104, 1852; Hulst, Trans. Am. Ent. Soc., xvii, 157, 1890; Ragonot, C. 418.

*4777. **decoralis** Walker, Cat. Brit. Mus., xxvii, 42, 1863; Ragonot, C. 420. — U. S.

syn. *metagrammalis* Walker, *decorellus* Hulst, Sm. List Lep. Bor. Am., no. 4341, 1902.

4778. **petrellus** Zeller, Isis, 771, 1846; Ragonot, C. 421. — N. C., Ga., Fla., Tex., Col., So. Am.

syn. *erectalis* Walker, *rubiginella* Walker, *rufinalis* Walker, *hapsella* Hulst, *obsipella* Hulst.

*4779. **floridellus** Hulst, Trans. Am. Ent. Soc., xvii, 158, 1890; Ragonot, C. 422. — Fla., Ariz.

*4780. **melanellus** Hulst, Trans. Am. Ent. Soc., xvii, 157, 1890; Ragonot, C. 424. — Fla.

4781. **lignosellus** Zeller, Isis, 883, 1848; Ragonot, C. 425. — Atl. States, So. Am.

syn. *angustellus* Blanchard.

a. **incautellus** Zeller, Verh. zool.-bot. Ges. Wien, xxii, 544, 1872; Ragonot, C. 425.

b. **tartarellus** Zeller, Verh. zool.-bot. Ges. Wien, xxii, 544, 1872; Ragonot, C. 425.

syn. *carbonellus* Hulst.

SELAGIA Hübner.

Hübner, Verz. bek. Schmett., 371, 1818; Zeller, Isis, 732, 1846; 752, 1848; Heinemann, Pyr., 153, 1865; Ragonot, Ent. Mon. Mag., xxii, 19, 1885; Hulst, Trans. Am. Ent. Soc., xvii, 159, 1890; Ragonot, C. 467.

*4782. **australella** Hulst, Can. Ent., xxxii, 174, 1900. — Tex.

*4783. **lithosella** Ragonot, Diag. No. Am. Phyc., 9, 1887; C. 474. — Ariz.

PYLA Grote.

Grote, Check List, 55, 66, 1882; Pap., i, 18, 1881; Ragonot, Diag. No. Am. Phyc., 9, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 161, 1890; Ragonot, C. 481.

4784. **scintillans** Grote, Pap., i, 18, 1881; Ragonot, C. 482. — Cal., Nev.

*4785. **metalicella** Hulst, Can. Ent., xxvii, 54, 1895. — Col.

*4786. **bistriatella** Hulst, Can. Ent., xxvii, 54, 1895. — Cal.

*4787. **incorruscella** Hulst, Can. Ent., xxvii, 55, 1895. — Col.

*4788. **æneella** Hulst, Can. Ent., xxvii, 55, 1895. — Col.

*4789. **æneoviridella** Ragonot, Diag. No. Am. Phyc., 8, 1887; C. 482. — N. Y.

ANORISTIA Ragonot.

Ragonot, Ann. Soc. Ent. Fr., 236, 1887; C. 486.

*4790. **olivella** Hulst, Ent. Am., iv, 117, 1888; Ragonot, C. 487. — Cal.

EPISCHNIA Hübner.

Hübner, Verz. bek. Schmett., 370, 1818; Zeller, Isis, 178, 1839; 585, 644, 737, 1848; Herrich-Schaeffer, Ein. Schm., iv, 89, 1849; Heinemann, Pyr., 171, 1865; Meyrick, Proc. Linn. Soc. N. S. Wales, iv, 229, 1879; Ragonot, Ent. Mon. Mag., xxii, 19, 1885; Hulst, Trans. Am. Ent. Soc., xvii, 162, 1890; Ragonot, C. 493; *Pima* Hulst, Ent. Amer., iv, 114, 1888; Trans. Am. Ent. Soc., xvii, 164, 1890.

*4791. **ruderella** Ragonot, Diag. No. Am. Phyc., 9, 1887; C. 514. — Cal.

*4792. **albiplagiatella** Packard, Ann. N. Y. Lyc. Nat. Hist., x, 269, 1873; Ragonot, C. 518. — Col.
syn. *fosterella* Hulst.

4793. **boisduvaliella** Guenée, Ann. Soc. Ent. Fr., 318, 1845; Ragonot, C. 518. — Mass., Mont., Col., Tex., Cal.
syn. *farrella* Curtis, Ann. Soc. Nat. Hist., iv, 114, 1850; Ragonot, C. 518; *lafaurgella* Comstock, *leucoloma* Snellen.
a. **tabulella** Ragonot, Mon. Phyc. Gall., 519, 1893.

*4794. **albocostalis** Hulst, Trans. Am. Ent. Soc., xiii, 164, 1886; Ragonot, C. 519. — Cal.

*4795. **subcostella** Ragonot, Diag. No. Am. Phyc., 10, 1887; C. 520. — Utah.

*4796. **fulvirugella** Ragonot, Diag. No. Am. Phyc., 10, 1887; C. 521. — Col., Cal.

*4797. **incanella** Hulst, Can. Ent., xxvii, 56, 1895. — Col.

*4798. **granitella** Ragonot, Diag. No. Am. Phyc., 9, 1887; C. 523. — Col., Cal.

GETULIA Ragonot.

Ragonot, Nouv. Gén. Spec. Phyc., 26, 1888; C. 527.

*4799. **flavidorsella** Ragonot, Diag. No. Am. Phyc., 9, 1887; C. 528. — Ariz., Mex.

MEGASIS Guenée.

Guenée, Ann. Soc. Ent. Fr., 309, 1845; Heinemann, Pyr., 170, 1865; Hulst, Trans. Am. Ent. Soc., xvii, 164, 1890; Ragonot, C. 537.

*4800. **edwardsialis** Hulst, Trans. Am. Ent. Soc., xiii, 163, 1886; Ragonot, C. 545. — Cal., Nev., Col.
syn. *polyphemella* Ragonot.

*4801. **excantalis** Hulst, Trans. Am. Ent. Soc., xiii, 1886; C. 547. — Cal.
syn. *pullatella* Ragonot.

4802. **atrella** Hulst, Trans. Am. Ent. Soc., xvii, 166, 1890; Ragonot, C. 548. — Col.

4803. **cinctella** Hulst, Can. Ent., xxxii, 172, 1900. — Cal.

LIPOGRAPHIS Ragonot.

Ragonot, Diag. No. Am. Phyc., 10, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 166, 1890; Ragonot, C. 562.

*4804. **humilis** Ragonot, Diag. No. Am. Phyc., 11, 1887; C. 563. — Cal.

*4805. **fenestrella** Packard, Ann. N. Y. Lyc. Nat. Hist., x, 259, 1873; Ragonot, C. 564. — Cal.

*4806. **leoninella** Packard, Ann. N. Y. Lyc. Nat. Hist. x, 259, 1873; Ragonot, C. 565. — Cal., Col., Nebr.

ETIELLA Zeller.

Zeller, Isis, 179, 1839; 733, 1846; Heinemann, Pyr., 154, 1865; Meyrick, Proc. Linn. Soc. N. S. Wales, iii, 203, 1878; vii, 156, 1882; Hulst, Trans. Am. Ent. Soc., xvii, 169, 1890; Ragonot, C. 569; *Ramphodes* Guenée, Ann. Soc. Ent. France, 319, 1845; Zeller, Hor. Soc. Ent. Ross., xvi, 177, 1880; *Mella* Walker, Cat. Brit. Mus., xix, 1017, 1859; *Asara* Walker, Cat. Brit. Mus., xxvii, 79, 1863; *Modiana* Walker, Cat. Brit. Mus., xxvii, 83, 1863; *Alata* Walker, Cat. Brit. Mus., xxvii, 108, 1863; *Arucha* Walker, Cat. Brit. Mus., xxvii, 201, 1863.

4807. **zinckenella** Treitschke, Schm. Eur., ix, 1, 201, 1832; Staudinger & Rebel, Cat. Lep. Eur., ii, no. 510, 1901; Ragonot, C. 572. — Can., U. S., Eur.

syn. *etiella* Treitschke, *majorella* Costa, *colonellus* Costa, *dymnusalis* Walker, *albocostalis* Walker, *scittivitalis* Walker, *anticalis* Walker, *indicatalis* Walker, *hastiferella* Walker, *heraldella* Guenée, *madagascariensis* Saalmüller, *sabulinus* Butler, *spartiella* Bond.

*4808. **schisticolor** Zeller, Hor. Soc. Ent. Ross., xvi, 178, 1881; Ragonot, C. 574. — Cal., Col., Ariz.

syn. *villosella* Hulst.

*4809. **rubribasella** Hulst, Trans. Am. Ent. Soc., xvii 170, 1890; Ragonot, C. 572. — Fla., Col.

HYPOCHALCIA Hübner.

Hübner, Verz. bek. Schmett., 367, 1818; Zeller, Isis, 585, 1848; Herrich-Schaeffer, Eur. Schm., iv, 85, 1849; Heinemann, Pyr., 165, 1865; Ragonot, Ent. Mon. Mag., xxii, 18, 1885; Hulst, Trans. Am. Ent. Soc., xvii, 168, 1890; Ragonot, C. 578.

*4810. **hulstiella** Ragonot, Diag. No. Am. Phyc., ii, 1887; C. 603. — Tex.

SARATA Ragonot.

Ragonot, Diag. No. Am. Phyc., 11, 1887; C. 614.

*4811. **nigrofasciella** Ragonot, Diag. No. Am. Phyc., 11, 1887; C. 615. — Col., Ariz.

*4812. **tephrella** RAGONOT, C. 616, 1893. Wash.

*4813. **perfuscalis** HULST, Trans. Am. Ent. Soc., xiii, 161, 1886; RAGONOT, C. 616. Cal.

syn. *dnoposella* RAGONOT.

*4814. **cinereella** HULST, Can. Ent., xxxii, 172, 1900. Col.

MELITARA Walker.

WALKER, Cat. Brit. Mus., xxvii, 136, 1863; HULST, Trans. Am. Ent. Soc., xvii, 171, 1890; *Megaphyeis* GROTE, Can. Ent., xiv, 29, 1882.

4816. **prodenialis** WALKER, Cat. Brit. Mus., xxvii, 137, 1863; HULST, Trans. Am. Ent. Soc., xvii, 171, 1890. Fla., Tex., Col., W. I.

syn. *bollii* ZELLER, Verh. zool.-bot. Ges. Wien, 550, pl. 3, f. 21, 1872; GROTE, Can. Ent., xiv, 29, 1882; SNELLEN, Tidsk. Ent., xxx, 64, pl. 5, f. 64, 6, 6a, 1886.

4817. **dentata** GROTE, Can. Ent., viii, 158, 1876; xiv, 29, 1882; HULST, Trans. Am. Ent. Soc., xvii, 172, 1890; KELLOGG, Kans. Univ. Quar., i, 40, pl. 8, 1892. Col.

4818. **junctolineella** HULST, Can. Ent., xxxii, 173, 1900. Tex., Col.

4819. **fernaldialis** HULST, Trans. Am. Ent. Soc., xiii, 163, 1886; xvii, 172, 1890. Ariz. Mex.

YOSEMETIA Ragonot.

New generic name proposed by Ragonot in manuscript for *graciella* HULST.

4820. **graciella** HULST, Ent. Amer., iii, 134, 1887; Trans. Am. Ent. Soc., xvii, 173, 1890. Tex., Col., Ariz.

a. **longipennella** HULST, Ent. Amer., iv, 117, 1888.

ZOPHODIA Hübner.

HÜBNER, Verz. bek. Schmett., 370, 1818; ZELLER, Isis, 176, 1839; 679, 1848; HERRICH-SCHAEFFER, Eur. Schm., iv, 90, 1849; HEINEMANN, Pyr., 189, 1865; MEYRICK, Trans. Linn. Soc. N. S. Wales, vii, 156, 1882; RAGONOT, Ent. Mon. Mag., xxii, 19, 1885; HULST, Trans. Am. Ent. Soc., xvii, 172, 1890; *Dakruma* GROTE, Bull. Geol. Surv. Terr., iv, 702, 1878; No. Am. Ent., i, 11, 1879; Pap., i, 152, 1882; RILEY, Pap., i, 108, 1882.

4821. **grossulariæ** RILEY, Rept. Ins. Mo., i, 140, 1869; Pap., i, 108, 1881; PACKARD, Guide Stud. Ins., 331, 1869; FRENCH, Rept. Dept. Agr. Ill., vii, 251, 1877; GROTE, No. Am. Ent., i, 11, pl. 2, f. 12, 1880; i, 68, 1880; Pap., i, 142, 1881; HULST, Trans. Am. Ent. Soc., xvii, 173, 1890. N.-E. U. S., Can.

syn. *turbitella* GROTE, Bull. Geol. Surv. Terr., iv, 702, 703, 1878.

*4822. **dilatifasciella** RAGONOT, Diag. No. Am. Phyc., 13, 1887; HULST, Trans. Am. Ent. Soc., xvii, 174, 1890. Ariz., Mex.

*4823. **packardella** RAGONOT, Diag. No. Am. Phyc., 12, 1887; HULST, Trans. Am. Ent. Soc., xvii, 173, 1890. — Cal.

4824. **glaucatella** HULST, Ent. Amer., iv, 117, 1888; Trans. Am. Ent. Soc., xvii, 174, 1890. — Tex., N. Mex.

4825. **bella** HULST, Can. Ent., xxiv, 61, 1892. — Mass.

4826. **fuscatella** HULST, Can. Ent., xxxii, 173, 1900. — Cal.

4827. **epischnioides** HULST, Can. Ent., xxxii, 173, 1900. — N. Mex.

ECCOPSIA Ragonot.

New generic name proposed by Ragonot in manuscript for *serratilineella* RAGONOT.

4828. **serratilineella** RAGNOT, Diag. No. Am. Phyc., 15, 1887; HULST, Trans. Am. Ent. Soc. xvii, 179, 1890. — Cal.

EUZOPHERA Zeller.

ZELLER, Stett. ent. Zeit., xxviii, 377, 1867; RAGONOT, Ent. Mon. Mag., xxii, 30, 1885; MEYRICK, Proc. Linn. Soc. N. S. Wales, iv, 239, 1879; vii, 156, 1882; HULST, Trans. Am. Ent. Soc., xvii, 174, 1890; *Stenoptycha* ZELLER (not AGASSIZ), Stett. ent. Zeit., 154, 1863; HEINEMANN, Pyr., 190, 1865; *Melia* HEINEMANN (not BILLBERG), Pyr., 209, 1865.

*4829. **ostricolorella** HULST, Trans. Am. Ent. Soc., xvii, 175, 1890. — N. Y.

4830. **nigricantella** RAGONOT, Diag. No. Am. Phyc., 14, 1887; HULST, Trans. Am. Ent. Soc., xvii, 177, 1890. — Ariz.

*4831. **franconiella** HULST, Trans. Am. Ent. Soc., xvii, 177, 1890. — N. H.

4832. **semifuneralis** WALKER, Cat. Brit. Mus., xxvii, 57, 1863; HULST, Trans. Am. Ent. Soc., xvii, 175, 1890. — U. S.

syn. *impletella* ZELLER, Hor. Soc. Ent. Ross., xvi, 234, pl. 12, f. 37, 1881; *pallulella* HULST, Trans. Am. Ent. Soc., xvii, 175, 1890.

*4833. **æglæella** RAGONOT, Diag. No. Am. Phyc., 14, 1887; HULST, Trans. Am. Ent. Soc., xvii, 177, 1890. — Utah.

syn. *aglæella* HULST, Sm. List Lep. Bor. Am., no. 4379, 1891.

*4834. **inornatella** HULST, Can. Ent., xxxii, 173, 1900. — N. J.

4835. **ochrifrontella** ZELLER, Verh. zool.-bot. Ges. Wien, 337, 1875; HULST, Trans. Am. Ent. Soc., 177, 1890. — East. U. S., Tex.

syn. *ferruginella* RAGONOT, Diag. No. Am. Phyc., 14, 1887.

SENECA Hulst.

Hulst, Trans. Am. Ent. Soc., xvii, 177, 1890.

*4836. **tumidulella** Ragonot, Diag. No. Am. Phyc., 13, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 178, 1890. — Fla.

VITULA Ragonot.

Ragonot, Diag. No. Am. Phyc., 14, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 178, 1890.

4838. **edmandsii** Packard, Proc. Essex Inst., iv, 120, 1864; Guide Stud. Ins., 331, pl. 3, f. 2, 1869; Hulst, Ent. Amer., v, 156, 1889; Trans. Am. Ent. Soc., xvii, 178, 1890. — East. U. S., Tex.

syn. *dentosella* Ragonot, Diag. No. Am. Phyc., 14, 1887.

4839. **basimaculella** Ragonot, Diag. No. Am. Phyc., 15, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 179, 1890. — Col.

LAOSTICHA Ragonot.

New generic name proposed by Ragonot in manuscript for *ephestiella* Ragonot.

*4841. **ephestiella** Ragonot, Diag. No. Am. Phyc., 13, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 185, 1890. — Ariz.

LÆTILIA Ragonot.

Ragonot, Ann. Soc. Ent. Fr., Séances, Jan. 8, p. viii, 1890; Hulst, Trans. Am. Ent. Soc., xvii, 182, 1890.

4842. **coccidivora** Comstock, No. Am. Ent., i, 25, pl. 4, 1879; Rept. U. S. Dept. Agr., 241, 1880; Packard, Ins. Inj. to Shade Trees, 54, 1881; Hulst, Trans. Am. Ent. Soc., xvii, 182, 1890. — East. U. S., Tex., N. Mex., Ariz.

syn. *pallida* Comstock, Rept. U. S. Dept. Agr., 243, 1880.

a. **hulstii** Cockerell, Am. Nat., xxxi, 588, 1897. — N. Mex.

CANARSIA Hulst.

Hulst, Trans. Am. Ent. Soc., xvii, 179, 1880.

4843. **ulmiarrosorella** Clemens, Proc. Acad. Sci. Phil., 205, 1860; Grote, Bull. Geol. Surv. Terr., iv, 698, 1878; Hulst, Trans. Am. Ent. Soc., xvii, 180, 1890. — East. U. S., Tex., Ont.

syn. *pneumatella* Hulst, Ent. Amer., iii, 137, 1887; *ulmella* Ragonot, Diag. No. Am. Phyc., 13, 1887; *fuscatella* Hulst, Ent. Amer., iv, 118, 1888.

*4844. **gracilella** Hulst, Can. Ent., xxxii, 174, 1900. — N. J.

4845. **hammondi** RILEY, Rept. Ins. Mo., iv, 46, f. 21, 1872; Index Repts. Ins. Mo., 80, 1881; FRENCH, Rept. Dept. Agr. Ill., xv, 252, 1877; HULST, Trans. Am. Ent. Soc., xvii, 181, 1890. — East. U. S., Tex., Ont.

STAUDINGERIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., 249, 1887; HULST, Trans. Am. Ent. Soc., xvii, 185, 1890.

4846. **albipennella** HULST, Ent. Amer., iii, 133, 1887; Trans. Am. Ent. Soc., xvii, 186, 1890. — Cal., Ariz.

HETEROGRAPHIS Ragonot.

RAGONOT, Ent. Mon. Mag., xxii, 31, 1885; HULST, Trans. Am. Ent. Soc., xvii, 186, 1890; *Mona* HULST, Ent. Amer., iv, 115, 1888.

4847. **morrisonella** RAGONOT, Diag. No. Am. Phyc., 11, 1887; HULST, Trans. Am. Ent. Soc., xvii, 186, 1890. — Tex., Col., N. Mex., Ariz.

a. **coloradensis** RAGONOT, Diag. No. Am. Phyc., 12, 1887; HULST, Trans. Am. Ent. Soc., xvii, 186, 1890.

b. **olbiella** HULST, Ent. Amer., iv, 116, 1888; Trans. Am. Ent. Soc., xvii, 186, 1890.

4848. **arizonella** HULST, Jn. N. Y. Ent. Soc., viii, 222, 1901. — Ariz.

HULSTEA Ragonot.

New generic name proposed by Ragonot in manuscript for *undulatella* CLEMENS.

*4849. **undulatella** CLEMENS, Proc. Acad. Sci. Phil., 205, 1860; GROTE, Bull. Geol. Surv. Terr., iv, 698, 1878; PACKARD, Ins. Inj. to Shade Trees, 69, 1881; HULST, Trans. Am. Ent. Soc., xvii, 187, 1890. — U. S., Ont., Queb.

syn. *propriella* WALKER, Cat. Brit. Mus., xxxv, 1716, 1866.

*4850. **texanella** HULST, Can. Ent., xxxii, 174, 1900. — Tex.

HONORA Grote.

GROTE, Bull. Geol. Surv. Terr., iv, 702, 1878; No. Am. Ent., i, 11, 1879; HULST, Trans. Am. Ent. Soc., xvii, 187, 1890.

4851. **mellinella** GROTE, Bull. Geol. Surv. Terr., iv, 702, 1878; No. Am. Ent., i, 11, pl. 2, f. 11, 1879; HULST, Trans. Am. Ent. Soc., xvii, 188, 1890. — Tex., Col., N. Mex., Cal.

syn. *ochrimaculella* RAGONOT, Diag. No. Am. Phyc., 12, 1887; HULST, Trans. Am. Ent. Soc., xvii, 189, 1890.

*4852. **sciurella** RAGONOT, Diag. No. Am. Phyc., 12, 1887; HULST, Trans. Am. Ent. Soc., xvii, 189, 1890. — Cal.

*4853. **subsciurella** RAGONOT, Diag. No. Am. Phyc., 12, 1887; HULST, Trans. Am. Ent. Soc., xvii, 189, 1890. — Col.

4854. **luteella** HULST, Jn. N. Y. Ent. Soc., viii, 223, 1901. — Ariz.

4855. **cinerella** HULST, Jn. N. Y. Ent. Soc., viii, 223, 1901. — Ariz.

4856. **dulciella** HULST, Jn. N. Y. Ent. Soc., viii, 223, 1901. — Fla.

*4857. **montinatatella** HULST, Ent. Amer., iii, 134, 1887; v, 156, 1889; Trans. Am. Ent. Soc., xvii, 189, 1890. — Cal., Nev.

syn. *canicostella* RAGONOT, Diag. No. Am. Phyc., 12, 1887.

*4858. **fumosella** HULST, Can. Ent., xxxii, 174, 1900. — N. J.

DOLICHORHINIA Ragonot.

RAGONOT, Nouv. Gén. Spec. Phyc., 28, 1888; HULST, Trans. Am. Ent. Soc., xvii, 190, 1890; *Macrorrhinia* RAGONOT (not *Macrorhinus* LATREILLE), Diag. No. Am. Phyc., 13, 1887.

4859. **aureofasciella** RAGONOT, Diag. No. Am. Phyc., 13, 1887; HULST, Trans. Am. Ent. Soc., xvii, 190, 1890. — Tex., Cal., Ariz., Col.

DIVIANA Ragonot.

RAGONOT, Nouv. Gén. Spec. Phyc., 27, 1888; HULST, Trans. Am. Ent. Soc., xvii, 190, 1890.

*4860. **eudoriella** RAGONOT, Nouv. Gén. Spec. Phyc., 27, 1888; C. pl. 23, f. 12, 1893; HULST, Trans. Am. Ent. Soc., xvii, 190, 1890. — N. C.

OCALA Hulst.

HULST, Can. Ent., xxiv, 61, 1892.

*4861. **dryadella** HULST, Can. Ent., xxiv, 61, 1892. — Fla.

PALATKA Hulst.

HULST, Can. Ent., xxiv, 62, 1892.

*4862. **nymphæella** HULST, Can. Ent., xxiv, 62, 1892. — Fla.

EURYTHMIDIA Ragonot.

New generic name proposed by Ragonot in manuscript for *ignidorsella* RAGONOT.

*4863. **ignidorsella** RAGONOT, Diag. No. Am. Phyc., 16, 1887; HULST, Trans. Am. Ent. Soc., xvii, 196, 1890. — Ariz.

HOMŒOSOMA Curtis.

Curtis, Brit. Ent., iv, 311, 1834; Stephens, Ills., iv, 311, 1834; Zeller, Isis, 585, 599, 1848; Hor. Soc. Ent. Ross., xvi, 237, 1881; Westwood & Humphreys, Brit. Moths, ii, 233, 1849; Herrich-Schaeffer, Eur. Schm., iv, 103, 1849; Heinemann, Pyr., 196, 1865; Grote, Bull. Geol. Surv. Terr., iv, 703, 1878; No. Am. Ent., i, 12, 1879; Meyrick, Proc. Linn. Soc. N. S. Wales, iii, 214, 1878; vii, 159, 1882; Ragonot, Ent. Mon. Mag., xxii, 26, 1885; Hulst, Trans. Am. Ent. Soc., xvii, 191, 1890; *Phycidea* Zeller, Isis, 178, 1839; *Lotria* Guenée, Ann. Soc. Ent. Fr., 320, 1845.

4864. **impressale** Hulst, Trans. Am. Ent. Soc., xiii, 163, 1886; xvii, 191, 1890. — Cal., Ariz.

4865. **electellum** Hulst, Ent. Amer., iii, 137, 1887; Trans. Am. Ent. Soc., xvii, 193, 1890. — Tex., Iowa, N. Mex., Col.
syn. *texanellum* Ragonot, Diag. No. Am. Phyc., 15, 1887.

*4866. **opalescellum** Hulst, Ent. Amer., iii, 138, 1887; Trans. Am. Ent. Soc., xvii, 192, 1890. — Tex., Cal.
syn. *tenuipunctellum* Ragonot, Diag. No. Am. Phyc., 15, 1887.

4867. **illuvellum** Ragonot, Nouv. Gén. Spec. Phyc., 33, 1888; Hulst, Ent. Amer., v, 155, 1889; Trans. Am. Ent. Soc., xvii, 192, 1890. — Col., Ariz., Mex.
syn. *candidellum* Hulst, Ent. Amer., iv, 118, 1888.

4868. **uncanale** Hulst, Trans. Am. Ent. Soc., xiii, 162, 1886; xvii, 192, 1890. — Fla., Col., Nev.

*4869. **albiscentellum** Ragonot, Diag. No. Am. Phyc., 15, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 192, 1890. — Cal.

4870. **stypicellum** Grote, Bull. Geol. Surv. Terr., iv, 703, 1878; No. Am. Ent., i, 12, pl. 2, f. 13, 1879; Hulst, Trans. Am. Ent. Soc., xvii, 193, 1890. — N.-E. U. S., Tex.

4871. **mucidellum** Ragonot, Diag. No. Am. Phyc., 15, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 193, 1890. — Tex., Col., N. Mex., Cal.

*4872. **anguliferellum** Ragonot, Diag. No. Am. Phyc., 16, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 192, 1890. — No. Am.

EPHESTIA Guenée.

Guenée, Ann. Soc. Ent. Fr., 319, 1845; Zeller, Isis, 588, 592, 1848; Herrich-Schaeffer, Eur. Schm., iv, 110, 1849; Heinemann, Pyr., 201, 1865; Meyrick, Proc. Linn. Soc. N. S. Wales, iii, 215, 1878; iv, 234, 1879; vii, 160, 1882; Hulst, Trans. Am. Ent. Soc., xvii, 197, 1890.

4873. **fuscofasciella** Ragonot, Diag. No. Am. Phyc., 17, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 198, 1890. — Mo., Tex., Col., N. Mex.

4874. **kuehniella** ZELLER, Stett. ent. Zeit., 476, 1879; SNELLEN, Tidsk. Ent., xxviii, 237, pl. 8, 1885; THOMPSON, Ent., xx, 66, 1887; BARRETT, Ent., xxiii, 255, 1887; RILEY, Ins. Life, i, 315, 1888; ii, 166, 1889; v, 141, 276, 1892; vi, 44, 290, 1893; OMEROD, Ins. Life, i, 314, 1889; FLETCHER, Ins. Life, ii, 187, 1889; Can. Ent., xxii, 41, 1890; BELL, Am. Nat., 200, 1890; HULST, Trans. Am. Ent. Soc., xvii, 198, 1890; DANYOZ, Mem. Lab. Par. Veg., 1, 1893; HOWARD, Ins. Life, vii, 417, 1895; JOHNSON, Rep. Ent. Ill., xix, app., 1896; CHITTENDEN, Dept. Agr., Farm. Bull., 45, 8, f. 4, 5, 1896; RAGONOT, C., pl. 2, f. 19, 1893; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 254, 1901. — N. S., Ont., Quebec, Eur.

syn. *gitonella* DRUCE; *?sericarium* SCOTT, Proc. Zool. Soc. Lond., 207, 1859.

*4875. **cautella** WALKER, Cat. Brit. Mus., xxvii, 73, 1863; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 271, 1901. — Eur., U. S.

syn. *cahiritella* ZELLER, *passulella* BARR, *desuetella* WALKER.

*4876. **figulilella** GREGSON, Ent., v, 385, 1865; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 258, 1901. — Eur., U. S.?

syn. *ficulella* BARRETT, *milleri* ZELLER.

4877. **rileyella** RAGONOT, Diag. No. Am. Phyc., 17, 1887; HULST, Trans. Am. Ent. Soc., xvii, 198, 1890. — Utah, N. Mex.

4878. **nigrella** HULST, Trans. Am. Ent. Soc., xvii, 200, 1890. — Tex., Ariz., Cal.

4879. **elutella** HÜBNER, Eur. Schm., pl. 24, 163, 1820; ZINCKEN, Germ. Mag., iii, 175, 1818; TREITSCHKE, Schm. Eur., ix, 1, 194, 1832; DUPONCHEL, Hist. Nat., x, 279, 1836; STEPHENS, Ills., iv, 304, 1834; WOOD, Ind. Ent., 1454, 1839; ZELLER, Isis, 592, 1848; HERRICH-SCHAEFFER, Eur. Schm., iv, 110, 1849; WESTWOOD & HUMPHREYS, Brit. Moths, ii, 229, pl. 115, f. 7, 1849; HEINEMANN, Pyr., 201, 1865; MORRIS, Brit. Moths, iii, pl. 79, f. 18, 1872; MEYRICK, Proc. Linn. Soc. N. S. Wales, iii, 215, 1878; Trans. Ent. Soc. Lond., 261, 1887; ZELLER, Verh. zool.-bot. Ges. Wien, 338, 1876; MÖSCHLER, Stett. ent. Zeit., 393, 1880; Verh. zool.-bot. Ges. Wien, 310, 1884; WALLENGREN, Skand. Pyr., 1053, 1872; SNELLEN, Vlind. Neth., ii, 1, 162, 1882; FREY, Lep. Schw., 279, 1880; CHRISTOPH, Hor. Soc. Ent. Ross., xii, 224, 1876; HULST, Trans. Am. Ent. Soc., xvii, 200, 1890; RAGONOT, C., pl. 2, f. 20, 1893; STAUDINGER & REBEL, Cat. Lep. Eur. ii, no. 283, 1901. — U. S., Eur.

syn. *rufa* HAWORTH, *dulcea* HAWORTH, *angusta* HAWORTH.

EPHESTIODES Ragonot.

Ragonot, Diag. No. Am. Phyc., 16, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 194, 1890

4880. **gilvescentella** Ragonot, Diag. No. Am. Phyc., 16, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 194, 1890. — Cal., Ariz.

4881. **infimella** Ragonot, Diag. No. Am. Phyc., 16, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 194, 1890. — N. C.

4882. **nigrella** Hulst, Journ. N. Y. Ent. Soc., viii, 224, 1901. — Cal.

*4883. **erythrella** Ragonot, Diag. No. Am. Phyc., 16, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 195, 1890. — Cal.

EURYTHMIA Ragonot.

Ragonot, Diag. No. Am. Phyc., 16, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 195, 1890.

4884. **hospitella** Zeller, Verh. zool.-bot. Ges. Wien, xxii, 338, 1872; Hulst, Trans. Am. Ent. Soc., xvii, 196, 1890. — Tex., N. Mex., Ariz., Col.

syn. *quantulella* Hulst, Ent. Am., iii, 134, 1887.

*4885. **coloradella** Hulst, Can. Ent., xxxii, 175, 1900. — Cal.

MANHATTA Hulst

Hulst, Trans. Am. Ent. Soc., xvii, 196, 1890; *Hornigia* Ragonot (not [a]), Diag. No. Am. Phyc., 16, 1887.

4886. **ostrinella** Clemens, Proc. Acad. Sci. Phil., 206, 1860. — Pa., Tex.

syn. *obtusangulella* Ragonot, Diag. No. Am. Phyc., 16, 1887; Hulst, Trans. Ent. Soc., xvii, 197, 1890.

MOODNA Hulst.

Hulst, Trans. Am. Ent. Soc., xvii, 193, 1890.

*4887. **lugubrella** Ragonot, Diag. No. Am. Phyc., 17, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 197, 1890. — Cal.

4888. **pelviculella** Hulst, Trans. Am. Ent. Soc., xvii, 194, 1890. — N. Y., Pa.

UNADILLA Hulst.

Hulst, Trans. Am. Ent. Soc., xvii, 197, 1890.

*4889. **erronella** Zeller, Hor. Soc. Ent. Ross., xvi, 238, pl. 12, f. 42, 1881. — N. Mex., Cal.

syn. *nasutella* Hulst, Trans. Am. Ent. Soc., xvii, 197, 1890.

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[a] Preoccupied, according to Hulst's manuscript.

PLODIA Guenée.

Guenée, Ann. Soc. Ent. Fr., 322, 1845; Heinemann, Pyr., 202, 1865; Ragonot, Ent. Mon. Mag., xxii, 25, 1885; Hulst, Trans. Am. Ent. Soc., xvii, 200, 1890.

4890. **interpunctella** Hübner, Eur. Schm., 310, 1827; Treitschke, Schm. Eur., ix, 1, 106, 1832; Duponchel, Hist. Nat., x, 280, 5, 1834; Suppl., iv, 121, pl. 60, f. 6, 1842; Zeller, Isis, 598, 1848; Herrich-Schaeffer, Eur. Schm., iv, 110, 1855; Stainton, Man., ii, 169, 1859; Heinemann, Pyr., 202, 1865; Zeller, Verh. zool.-bot. Ges. Wien, 336, 1875; Möschler, Verh. zool.-bot. Ges. Wien, 310, 1884; Snellen, Vlind. Neth. Micro., i, 163, 1882; Frey, Lep. Schw., 279, 1880; Ragonot, Ent. Mon. Mag., xxii, 25, 1885; Riley & Howard, Ins. Life, v, 2, 277, 1890; Hulst, Trans. Am. Ent. Soc., xvii, 201, 1890; Stevenson, Rept. Ent. Soc. Ont., xxv, 57, 1894; Chittenden, U. S. Dept. Agr., Farmers' Bull., xxxix, 9, f. 6, 1897; Staudinger & Rebel, Cat. Lep. Eur., ii, no. 253, 1901. — U. S., Can.

syn. *zeæ* Fitch, Rep. Ins. N. Y., 320, pl. 4, f. 1, 1858; Clemens, Proc. Acad. Sci. Phil., 206, 1860.

Subfamily ANERASTINAE.

By George D. Hulst.

RAGONOTIA Grote.

Grote, Can. Ent., xxii, 75, 1888; Hulst, Trans. Am. Ent. Soc., xvii, 204, 1890; Ragonot (not Grote), Diag. No. Am. Phyc., 17, 1887.

*4891. **dotalis** Hulst, Trans. Am. Ent. Soc., xiii, 164, 1886; xvii, 205, 1890; Ragonot, Mon. Phyc., i, pl. 2, f. 22, 1890. — Cal., Ariz.

syn. *discigerella* Ragonot, Diag. No. Am. Phyc., 17, 1887.

*4892. **saganella** Hulst, Trans. Am. Ent. Soc., xvii, 205, 1890. — Col.

URULA Hulst.

Hulst, Can. Ent., xxxii, 175, 1900.

4893. **incongruella** Hulst, Can. Ent., xxxii, 175, 1900. — Col., Ariz.

AURORA Ragonot.

Ragonot, Diag. No. Am. Phyc., 18, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 209, 1890.

*4894. **longipalpella** Ragonot, Diag. No. Am. Phyc., 18, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 210, 1890. — No. Am.

4895. **nigrocinereella** Hulst, Can. Ent., xxxii, 176, 1900. — Tex.

4896. **nigromaculella** Hulst, Journ. N. Y. Ent. Soc., viii, 224, 1901. — Ariz.

ALTOONA Hulst.

Hulst, Ent. Amer., iv, 116, 1888; Trans. Am. Ent. Soc., xvii, 206, 1890.

*4897. **opacella** Hulst, Ent. Amer., iii, 138, 1887; Trans. Am. Ent. Soc., xvii, 207, 1890. — Tex.

ATASCOSA Hulst.

Hulst, Trans. Am. Ent. Soc., xvii, 210, 1890.

*4898. **glareosella** Zeller, Verh. zool.-bot. Ges. Wien, 553, 1872; Hulst, Trans. Am. Ent. Soc., xvii, 211, 1890. — Tex.

syn. *bicolorella* Hulst, Trans. Am. Ent. Soc., xvii, 210, 1890.

*4899. **floscella** Hulst, Trans. Am. Ent. Soc., xvii, 210, 1890. — Tex.

CAYUGA Hulst.

Hulst, Ent. Amer., iv, 116, 1888; Trans. Am. Ent. Soc., xvii, 208, 1890.

4900. **gemmatella** Hulst, Ent. Amer., iii, 134, 1887; Trans. Am. Ent. Soc., xvii, 209, 1890. — Ill., Col., Cal.

a. **bistriatella** Hulst, Trans. Am. Ent. Soc., xvii, 209, 1890.

MARICOPA Hulst.

Hulst, Trans. Am. Ent. Soc. xvii, 205, 1890.

*4901. **lativittella** Ragonot, Diag. No. Am. Phyc., 18, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 206, 1890. — Ariz.

*4902. **albocostella** Hulst, Can. Ent., xxxii, 176, 1900. — N. J.

TRIVOLUSIA Dyar.

Volusia Hulst (not Desvoidy), Trans. Am. Ent. Soc., xvii, 206, 1890.—H. G. Dyar.

*4903. **roseopennella** Hulst, Trans. Am. Ent. Soc., xvii, 206, 1890. — Fla.

*4903. 1. **pallidipennata** Hulst, Can. Ent., xxvii, 56, 1895. — Col.

SALURIA Ragonot.

Ragonot, Ann. Soc. Ent. Fr., 258, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 211, 1890

*4904. **ostreella** Ragonot, Diag. No. Am. Phyc., 18, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 211, 1890. — Ariz.

*4905. **tetradella** ZELLER, Verh. zool.-bot. Ges. Wien, 552, 1872; HULST, Trans. Ent. Soc., xvii, 207, 1890. — Tex., Col.

*4906. **rostrella** RAGONOT, Diag. No. Am. Phyc., 18, 1887; Mon. Phyc., i, pl. 1, f. 3, 1893; HULST, Trans. Am. Ent. Soc., xvii, 211, 1890. — Cal.

*4907. **dichrocella** RAGONOT, Ent. Amer., v, 113, 1889; HULST, Trans. Am. Ent. Soc., xvii, 207, 1890. — Cal.

4908. **ardiferella** HULST, Ent. Amer., iv, 118, 1888; Trans. Am. Ent. Soc., xvii, 208, 1890. — Tex., Col., N. Mex., Cal.

MARTIA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 18, 1887; HULST, Trans. Am. Ent. Soc., xviii, 209, 1890.

*4909. **arizonella** RAGONOT, Diag. No. Am. Phyc., 18, 1887; HULST, Trans. Am. Ent. Soc., xvii, 209, 1890. — Ariz.

NAVASOTA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 18, 1887; HULST, Trans. Am. Ent. Soc., xvii, 212, 1890.

*4910. **hebetella** RAGONOT, Diag. No. Am. Phyc., 18, 1887; HULST, Trans. Am. Ent. Soc., xvii, 212, 1890. — Tex.

PEORIA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 19, 1887; HULST, Trans. Am. Ent. Soc., xvii, 213, 1890.

4911. **approximella** WALKER, Cat. Brit. Mus., xxxv, 1722, 1866. — East. U. S., Tex., Col., Ont.

syn. *hæmatica* ZELLER, Verh. zool.-bot. Ges. Wien, 555, 1872; HULST, Trans. Am. Ent. Soc., xvii, 218, 1890; *roseatella* PACKARD, Ann. N. Y. Lyc. Nat. Hist., x, 270, 1873; GROTE, Bull. Geol. Surv. Terr., iv, 704, 1878; No. Am. Ent., i, 12, pl. ii, f. 14, 1879.

4912. **bipartitella** RAGONOT, Diag. No. Am. Phyc., 19, 1887; HULST, Trans. Am. Ent. Soc., xvii, 214, 1890. — N. C.

*4913. **albidella** HULST, Can. Ent., xxxiii, 175, 1900. — Cal.

HYPSOTROPA Zeller.

ZELLER, Isis, 591, 1848; HEINEMANN, Pyr., 200, 1865; HULST, Trans. Am. Ent. Soc., xvii, 212, 1890.

*4914. **luteicostella** RAGONOT, Diag. No. Am. Phyc., 19, 1887; HULST, Trans. Am. Ent. Soc., xvii, 212, 1890. — Fla.

WEKIVA Hulst.

Hulst, Trans. Am. Ent. Soc., xvii, 215, 1890.

*4915. **nodosella** Hulst, Trans. Am. Ent. Soc., xvii, 215, 1890. — Fla.

HOMOSASSA Hulst.

Hulst, Trans. Am. Ent. Soc., xvii, 214, 1890.

4916. **ella** Hulst, Ent. Amer., iii, 138, 1887; Trans. Am. Ent. Soc., xvii, 214, 1890. — Fla.

DANNEMORA Hulst.

Hulst, Trans. Am. Ent. Soc., xvii, 212, 1890.

*4917. **edentella** Hulst, Trans. Am. Ent. Soc., xvii, 213, 1890. — Fla.

BANDERA Ragonot.

Ragonot, Diag. No. Am. Phyc., 19, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 202, 1890.

*4918. **binotella** Zeller, Verh. zool.-bot. Ges. Wien, xxii, 554, 1872; Hulst, Trans. Am. Ent. Soc., xvii, 202, 1890. — Tex., N. Mex.

*4919. **cupidinella** Hulst, Ent. Amer., iv, 118, 1888; Trans. Am. Ent. Soc., xvii, 203, 1890. — Col., N. Mex.

*4920. **subluteella** Ragonot, Diag. No. Am. Phyc., 19, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 202, 1890. — N. Mex., Cal.

TAMPA Ragonot.

Ragonot, Diag. No. Am. Phyc., 19, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 203, 1890.

4921. **dimediatella** Ragonot, Diag. No. Am. Phyc., 20, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 203, 1890. — Fla., Tex.

STATINA Ragonot.

Ragonot, Diag. No. Am. Phyc., 19, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 216, 1890.

*4922. **roseotinctella** Ragonot, Diag. No. Am. Phyc., 19, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 216, 1890. — Fla., Tex.

*4923. **gaudiella** Hulst, Trans. Am. Ent. Soc., xvii, 216, 1890. — Tex.

PETALUMA Hulst.

Hulst, Ent. Amer., iv, 116, 1888; Trans. Am. Ent. Soc., xvii, 215, 1890.

4924. **illibella** Hulst, Ent. Amer., iii, 138, 1887; Trans. Am. Ent. Soc., xvii, 216, 1890. — Tex.

syn. *puricostella* Ragonot, Diag. No. Am. Phyc., 20, 1887.

4925. **inspergella** Ragonot, Diag. No. Am. Phyc., 20, 1887; Hulst, Trans. Am. Ent. Soc., xvii, 216, 1890. — Tex., Col., Ariz.

CALERA Ragonot.

RAGONOT, Nouv. Gén. Spec. Phyc., 50, 1888; HULST, Trans. Am. Ent. Soc., xvii, 217, 1890.

*4926. **punctilimbella** RAGONOT, Nouv. Gén. Spec. Phyc., 50, 1888; HULST, Trans. Am. Ent. Soc., xvii, 217, 1890. — N. C., Iowa.

CŒNOCHROA Ragonot.

RAGONOT, Diag. No. Am. Phyc., 20, 1887; HULST, Trans. Am. Ent. Soc., xvii, 217, 1890.

*4927. **californiella** RAGONOT, Diag. No. Am. Phyc., 20, 1887; Mon. Phyc. Gall., pl. 3, f. 3, 1893; HULST, Trans. Am. Ent. Soc., xvii, 217, 1890. — Cal., Ariz., Col.

CHIPOTA Hulst.

HULST, Can. Ent., xxiv, 62, 1892; *Osceola* HULST (not BAIRD), Sm. List Lep., 85, 1891.

*4928. **perlepidella** HULST, Can. Ent., xxiv, 62, 1892. — Fla.

Family PTEROPHORIDÆ.

(C.=FERNALD, Pter. No. Am., Spec. Bull. Hatch. Exp. Sta., Mass. Agr. Coll., 1898.)

TRICHOPTILUS Walsingham.

WALSINGHAM, Pter. Cal. & Oreg., 62, 1880; TUTT, Mon. Pter. Brit., 77, 1891; MEYRICK, Handb. Brit. Lep., 430, 1895; HOFMANN, Pteroph., 121, 1895; FERNALD, C. 13, 1898.

*4929. **pygmæus** WALSINGHAM, Pter. Cal. & Oreg., 64, 1880; FERNALD, C. 14, 1898. — Cal.

*4930. **ochrodactylus** FISH, Can. Ent., xiii, 142, 1881; FERNALD, C. 15, 1898. — Tex

4931. **lobidactylus** FITCH, Trans. N. Y. Agr. Soc., xiv, 847, 1854; FERNALD, C. 15, 1898; DYAR, Psyche, viii, 249, 1898. — N. Eng., N. Y., Col., Cal.

syn. *californicus* WALSINGHAM, Pter. Cal. & Oreg., 60, 1880.

OXYPTILUS Zeller.

ZELLER, Isis, viii, 765, 1841; Linn. Ent. vi, 342, 1852; HERRICH-SCHAEFFER, Schm. Eur., v, 370, 1854; WALLENGREN, Fjäderm., 14, 1859; HEINEMANN & WOCKE, Kleinschm., ii, 2, 789, 1876; MEYRICK, Trans. Ent. Soc. Lond., 8, 1886; 485, 1890; TUTT, Mon. Pter. Brit., 60, 1891; MEYRICK, Handb. Brit. Lep., 431, 1895; HOFMANN, Pteroph., 95, 1895; FERNALD, C. 16, 1898.

4932. **periscelidactylus** FITCH, Trans. N. Y. Agr. Soc., xiv, 843, 1854; RILEY, Rep. Ins. Mo., i, 137, 1869; Am. Ent., ii, 234, 1870; ZELLER, Stett. ent. Zeit., xxii, 178, 1871; PACKARD, Guide, 356, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 319, 1873; SAUNDERS, Can. Ent., v, 99, 1873; WALSINGHAM, Pter. Cal. & Oreg., 25, 1880; SAUNDERS, Ins. Inj. Fruits, 268, 1889; COMSTOCK, Man., 238, 1895; SMITH, Econ. Ent., 318, 1896; FERNALD, C. 17, 1898. — Atl. States.

4933. **delawaricus** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 320, 1873; WALSINGHAM, Pter. Cal. & Oreg., 29, 1880; FERNALD, C. 19, 1898; DYAR, Proc. U. S. Nat. Mus., xxv, 397, 1902. — No. Atl. States, Col., Cal.

*4934. **ningoris** WALSINGHAM, Pter. Cal. & Oreg., 26, 1880; FERNALD, C. 20, 1898. — Cal., Oreg.

4935. **tenuidactylus** FITCH, Trans. N. Y. Agr. Soc., xiv, 848, 1854; FERNALD, C. 20, 1898; DYAR, Psyche, viii, 249, 1898. — Atl. States, Col., Cal.

syn. *nigrociliatus* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 322, 1873; WALSINGHAM, Pter. Cal. & Oreg., 31, 1880; SAUNDERS, Ins. Inj. Fruits, 314, 1889; *delawaricus* FORBES, Rep. Ent. Ill., xiv, 91, 1885.

PLATYPTILIA Hübner.

HÜBNER, Verz. bek. Schmett., 429, 1826; HEINEMANN & WOCKE, Kleinschm., ii, 2, 783, 1876; MEYRICK, Trans. Ent. Soc. Lond., 9, 1886; 485, 1890; TUTT, Mon. Pter. Brit., 22, 1891; MEYRICK, Handb. Brit. Lep., 432, 1895; HOFMANN, Pteroph., 36, 1895; FERNALD, C. 22, 1898; *Platyptilus* ZELLER, Isis, viii, 764, 1841; Linn. Ent., vi, 326, 1852; HERRICH-SCHAEFFER, Schm. Eur., v, 366, 1854; WALLENGREN, Fjäderm., 11, 1859.

*4936. **pica** WALSINGHAM, Pter. Cal. & Oreg., 21, 1880; FERNALD, C. 24, 1898. — Cal., Vanc. Id.

4937. **cosmodactyla** HÜBNER, Schm. Eur., Alue., pl. vii, f. 35, 36, 1823; TREITSCHKE, Schm. Eur., ix, 2, 235, 1833; STEPHENS, Ill. Brit. Ent., Haust., iv, 377, 1834; WOOD, Ind. Ent., f. 1649, 1854; HERRICH-SCHAEFFER, Schm. Eur., v, 369, 1854; HEINEMANN & WOCKE, Kleinschm., ii, 2, 788, 1876; WALSINGHAM, Pter. Cal. & Oreg., 23, 1880; JORDAN, Ent. Mon. Mag., xviii, 117, 1881; LEECH, Brit. Pyr., 56, 1886; MEYRICK, Handb. Brit. Lep., 433, 1895; HOFMANN, Pteroph., 65, 1895; FERNALD, C. 25, 1898; TUTT, Ent. Rec., xi, 238, 1899; DYAR, Proc. U. S. Nat. Mus., xxv, 399, 1902. — Eur., Cal.

syn. *punctidactyla* HAWORTH, Lep. Brit., iii, 479, 1811; WOOD, Ind. Ent., f. 1648, 1854; *ulodactyla* ZETTERSTEDT, Ins. Lap., 1012, 1840.

4938. **marmarodactyla** DYAR (near *cosmodactyla*, but smaller, expanse 17–18 mm., fore wing smooth, even gray, reddish tinted, a rounded orange and whitish patch covering basal half of first feather and resting on fissure; scale tuft on third feather of hind wing not triangular). — Cal., N. Mex.

4939. **acanthodactyla** HÜBNER, Eur. Schmett., Alue., pl. v, f. 23, 24, 1818; TREITSCHKE, Schm. Eur., ix, 2, 234, 1833; HERRICH-SCHAEFFER, Schm. Eur., v, 369, 1854; HEINEMANN & WOCKE, Kleinschm., ii, 2, 788, 1876; SNELLEN, Vlind. Nederl., ii, 2, 1023, 1882; LEECH, Brit. Pyr., 56, 1886; HOFMANN, Pteroph., 61, 1895; MEYRICK, Handb. Brit. Lep., 433, 1895; FERNALD, C. 25, 1898; WALSINGHAM, Ent. Mon. Mag., xxxiv, 192, 1898; TUTT, Ent. Rec., xi, 238, 1899. — Eur., N. Y., Cal., Oreg.

*4940. **edwardsii** FISH, Can. Ent., xiii, 72, 1881; FERNALD, C. 25, 1898. — Me., Mass.

4941. **carduidactyla** RILEY, Rep. Ins. Mo., i, 180, 1869; FERNALD, C. 26, 1898. — U. S.

syn. *cardui* ZELLER, Stett. ent. Zeit., xxxii, 179, 1871; Verh. zool.-bot. Ges. Wien, xxiii, 318, 1873; WALSINGHAM, Pter. Cal. & Oreg., 7, 1880; RILEY, Gen. Ind., 83, 1881; WALSINGHAM, Ent. Mon. Mag., xxxiv, 192, 1898.

4942. **percnodactyla** WALSINGHAM, Pter. Cal. & Oreg., 8, 1880; FERNALD, C. 27, 1898. — Cal.

*4943. **shastæ** WALSINGHAM, Pter. Cal. & Oreg., 14, 1880; FERNALD, C. 28, 1898. — Cal.

4944. **fragilis** WALSINGHAM, Pter. Cal. & Oreg., 16, 1880; FERNALD, C. 28, 1898. — Cal.

4945. **orthocarpi** WALSINGHAM, Pter. Cal. & Oreg., 11, 1880; FERNALD, C. 29, 1898. — Oreg.

4946. **albida** WALSINGHAM, Pter. Cal. & Oreg., 10, 1880; FERNALD, C. 29, 1898. — Cal., Oreg.

*4947. **albidorsella** WALSINGHAM, Pter. Cal. & Oreg., 13, 1880; FERNALD, C. 30, 1898. — Cal.

*4948. **grandis** WALSINGHAM, Pter. Cal. & Oreg., 6, 1880; FERNALD, C. 30, 1898. — Cal.

4949. **cooleyi** FERNALD, Pter. No. Am., 30, 1898. — Col., Cal.

4950. **modesta** WALSINGHAM, Pter. Cal. & Oreg., 18, 1880; FERNALD, C. 31, 1898. — Ariz., Cal.

4951. **petrodactyla** WALKER, Cat. Brit. Mus., xxx, 940, 1864; WALSINGHAM, Pter. Cal. & Oreg., 20, 1880; FERNALD, C. 31, 1898. — Arctic Am.

*4952. **adusta** WALSINGHAM, Pter. Cal. & Oreg., 5, 1880; FERNALD, C. 32, 1898. — Cal.

*4953. **albiciliata** WALSINGHAM, Pter. Cal. & Oreg., 17, 1880; FERNALD, C. 32, 1898. — Cal.

*4954. **albicans** FISH, Can. Ent., xiii, 71, 1881; FERNALD, C. 32, 1898. — Nev.

4955. **tesseradactyla** LINNÆUS, Faun. Suec., 370, 1761; HEINEMANN & WOCKE, Kleinschm., ii, 2, 787, 1876; ZELLER, Stett. ent. Zeit., xxxix, 162, 1878; BARRETT, Ent. Mon. Mag., xxxiii, 25, 1897; FERNALD, C. 33, 1898. — Eur., Mass., Col., Cal.

syn. *fischeri* ZELLER, Isis, viii, 781, 1841; TENGSTRÖM, Bidr., 155, 1847; ZELLER, Linn. Ent., vi, 337, 1852; HERRICH-SCHAEFFER, Schm. Eur., v, 369, 1854.

4956. **marginidactyla** FITCH, Trans. N. Y. Agr. Soc., xiv, 848, 1854; FERNALD, C. 34, 1898. — Eur., U. S.

syn. *nebulædactylus* FITCH, Trans. N. Y. Agr. Soc., xiv, 849, 1854; *bertrami* ROESSLER, Wien. ent. Mon., viii, 54, 1864; ZELLER, Stett. ent. Zeit., xxxiv, 135, 1873; HEINEMANN & WOCKE, Kleinschm., ii, 2, 784, 1876; WALSINGHAM, Pter. Cal. & Oreg., 3, 1880; SNELLEN, Vlind. Nederl., ii, 2, 1017, 1882; PORRITT, Ent. Mon. Mag., xxii, 103, 1885; xxiii, 163, 1886; LEECH, Brit. Pyr., 52, 1886; TUTT, Mon. Pter. Brit., 31, 1891; MEYRICK, Handb. Brit. Lep., 434, 1895; HOFMANN, Pteroph., 55, 1895; *bischoffii* ZELLER, Stett. ent. Zeit., xxviii, 333, 1867; Verh. zool.-bot. Ges. Wien, xxiii, 317, 1873; *cervinidactylus* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 266, 1873.

ALUCITA Linnæus.

LINNÆUS, Syst. Nat., 542, 1758; WALSINGHAM, Ent. Mon. Mag., 33, 41, 1897; FERNALD, C. 36, 1898; *Aciptilia* HÜBNER, Verz. bek. Schmett., 430, 1826; *Aciptilus* ZELLER, Isis, viii, 768, 1841; WALLENGREN, Fjäderm., 23, 1859; *Pterophorus* MEYRICK, Trans. Ent. Soc. Lond., 10, 1885; 489, 1890; Handb. Brit. Lep., 435, 1895.

4957. **walsinghami** FERNALD, Pter. No. Am., 36, 1898. — Col.

*4958. **belfragei** FISH, Can. Ent., xiii, 142, 1881; FERNALD, C. 37, 1898. — Tex.

4959. **montana** WALSINGHAM, Pter. Cal. & Oreg., 59, 1880; FERNALD, C. 37, 1898. — Cal., N. Y.

4960. **cinerascens** WALSINGHAM, Pter. Cal. & Oreg., 57, 1880; FERNALD, C. 39, 1898; DYAR, Proc. U. S. Nat. Mus., xxv, 399, 1902. — Cal., Col.

PTEROPHORUS Geoffroy.

GEOFFROY, Hist. Abr. Ins., ii, 90, 1762; WALLENGREN, Fjäderm., 20, 1859; TUTT, Mon. Pter. Brit., 110, 1891; HOFMANN, Pteroph., 131, 1895; FERNALD, C. 39, 1898; *Oidæmatophorus* WALLENGREN, Fjäderm., 19, 1859; *Leioptilus* WALLENGREN, Fjäderm., 21, 1859; *Lioptilus* MEYRICK, Trans. Ent. Soc. Lond., 10, 1886; *Alucita* MEYRICK, Trans. Ent. Soc. Lond., 487, 1890; Handb. Brit. Lep., 438, 1895.

*4961. **fishii** FERNALD, Can. Ent., xxv, 95, 1893; C. 40, 1898. — Nev.

4962. **homodactylus** WALKER. Cat. Brit. Mus., xxx. 941, 1864; WALSINGHAM, Pter. Cal. & Oreg., 50, 1880; COQUILLETT, Pap., ii, 62, 1882; FERNALD, C. 41, 1898. — Cal., Oreg.

4963. **brucei** FERNALD, Pter. No. Am., 42, 1898. — Col.

4964. **elliottii** FERNALD. Can. Ent., xxv, 95, 1893; C. 42, 1898; DYAR, Psyche, viii, 250, 1898. — N. Y.

*4965. **subochraceus** WALSINGHAM, Pter. Cal. & Oreg., 53, 1880; FERNALD, C. 43, 1898. — Mass., Cal.

*4966. **lacteodactylus** CHAMBERS, Can. Ent., v, 72, 1873. — Ky.

*4967. **helianthi** WALSINGHAM, Pter. Cal. & Oreg., 54. 1880; FERNALD, C. 43, 1898. — So. Oreg.

*4968. **bipunctatus** MÖSCHLER, Ab. Senck. nat. Ges., xv, 346, 354, 1890; WALSINGHAM, Proc. Zool. Soc. Lond., 496, 1891; 61, 1897. — Fla.

syn. *microdactylus* HEDEMANN, Stett. ent. Zeit., lvii, 9, 1896.

*4969. **stramineus** WALSINGHAM, Pter. Cal. & Oreg. 41, 1880; FERNALD, C. 44, 1898. — So. Oreg.

*4970. **angustus** WALSINGHAM, Pter. Cal. & Oreg., 43, 1880; FERNALD, C. 44, 1898. — Cal.

4971. **sulphureodactylus** PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 266, 1873; FERNALD, C. 44, 1898; DYAR, Proc. U. S. Nat. Mus., xxv, 398, 1902. — Cal., Col.

syn. *sulphureus* WALSINGHAM, Pter. Cal. & Oreg., 48, 1880.

*4972. **mathewianus** ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 23, 1874; FERNALD, C. 45, 1898. — Vanc., Id.

4973. **paleaceus** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 326, 1873; WALSINGHAM, Pter. Cal. & Oreg., 41, 1880; MÖSCHLER, Ab. Senck. Ges., xv, 346, 354, 1890; WALSINGHAM, Proc. Zool. Soc. Lond., 495, 1891; FERNALD, C. 45, 1898. — W. I., Ohio, Ill., Mo., Tex., Oreg. Cal.

syn. *sericidactylus* MURTFELDT, Am. Ent., iii, 235, 1880.

*4974. **agraphodactylus** WALKER, Cat. Brit. Mus., xxx, 941, 1864; WALSINGHAM, Pter. Cal. & Oreg., 46, 1880; Proc. Zool. Soc. Lond., 496, 1891; Proc. Zool. Soc. Lond., 6, 1897; FERNALD, C. 47, 1898. — W. I., So. Oreg.

syn. *aspilodactylus* WALKER, Cat. Brit. Mus., xxx, 941, 1864; BUTLER, Proc. Zool. Soc. Lond., 495, 1878; WALSINGHAM, Proc. Zool. Soc. Lond., 496, 1891.

*4975. **inconditus** WALSINGHAM, Pter. Cal. & Oreg., 44, 1880; FERNALD, C. 47, 1898. — Cal., D. C.

*4976. **parvus** WALSINGHAM, Pter. Cal. & Oreg., 55, 1880; FERNALD, C. 48, 1898. — Ariz., Cal.

4977. **kellicottii** FISH, Can. Ent., xiii, 141, 1881; FERNALD, C. 49, 1898. — N. Y.

4978. **rhynchosiæ** DYAR, Psyche, viii, 249, 1898. — Fla.

4979. **grandis** FISH, Can. Ent., xiii, 141, 1881; FERNALD, C. 50, 1898. — Cal.

4980. **rileyi** FERNALD, Pter. No. Am., 50, 1898. — Cal.

4981. **monodactylus** LINNÆUS, Syst. Nat., i, 542, 1758; WALLENGREN, Fjäderm., 20, 1859; HEINEMANN & WOCKE, Kleinschm., ii, 2, 801, 1876; WALSINGHAM, Pter. Cal. & Oreg., 39, 1880; SNELLEN, Vlind. Nederl., ii, 1048, 1882; SOUTH, Ent., xviii, 277, 1885; TUTT, Mon. Pter. Brit., 111, 1891; MEYRICK, Handb. Brit. Lep., 439, 1895; HOFMANN, Pteroph., 133, 1895; FERNALD, C. 51, 1898. — Eur., No. Africa, W. Asia, Maine to Cal.

syn. *pterodactyla* HÜBNER, Eur. Schmett., Aluc., pl. 1, f. 4, 1803; TREITSCHKE, Schm. Eur., ix, 2, 246, 1833; ZELLER, Isis, viii, 846, 1841; Linn. Ent., vi, 377, 1852; HERRICH-SCHAEFFER, Schm. Eur., v, 379, 1854; *cineridactylus* FITCH, Trans. N. Y. Agr. Soc., xiv, 848, 1854; *nævosidactylus* FITCH, Trans. N. Y. Agr. Soc., xiv, 849, 1854; *pergracilidactylus* PACKARD, Ann. Lyc. Nat. Hist. N. Y., x, 265, 1873.

4982. **cretidactylus** FITCH, Trans. N. Y. Agr. Soc., xiv, 849, 1854; FERNALD, Can. Ent., xxv, 96, 1893; C. 52, 1898; DYAR, Psyche, viii, 250, 1898. — N. Y., Cal.

syn. *occidentalis* WALSINGHAM, Pter. Cal. & Oreg., 37, 1880.

4983. **eupatorii** FERNALD, Can. Ent., xxv, 96, 1893; C. 52, 1898; DYAR, Psyche, viii, 250, 1898. — N. Y., Cal., Vanc. Id.

syn. *cretidactylus* ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 22, 1874; WALSINGHAM, Pter. Cal. & Oreg., 35, 1880; KELLICOTT, Bull. Buff. Soc., iv, 2, 1882.

*4984. **guttatus** WALSINGHAM, Pter. Cal. & Oreg., 36, 1880; FERNALD, C. 53, 1898. — Cal.

*4985. **cineraceus** FISH, Can. Ent., xiii, 73, 1881; FERNALD, C. 54, 1898. — Wash.

*4986. **baroni** FISH, Can. Ent., xiii, 73, 1881; FERNALD, C. 54, 1898. — Cal.

*4987. **gratiosus** FISH, Can. Ent., xiii. 73, 1881; FERNALD, C. 54, 1898. — Cal.

*4988. **lugubris** FISH, Can. Ent., xiii. 140, 1881; FERNALD, C. 55, 1898. — Cal.

4989. **grisescens** WALSINGHAM, Pter. Cal. & Oreg., 34, 1880; FERNALD, C. 55, 1898. — So. Oreg.

4990. **inquinatus** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 325, 1873; COQUILLETT, Pap., ii, 61, 1882; HEDEMANN, Stett. ent. Zeit., lvii, 9, 1896; WALSINGHAM, Proc. Zool. Soc. Lond., 59, 1897; FERNALD, C. 56, 1898. — Ala., Tex., Mo., Col., Ariz., W. I.

syn. *ambrosiæ* MURTFELDT, Am. Ent., iii, 236, 1880.

STENOPTILIA Hübner.

HÜBNER, Verz. bek. Schmett., 430, 1826; ZELLER, Isis, viii, 766, 1841; MEYRICK, Trans. Ent. Soc. Lond., 487, 1890; Handb. Brit. Lep., 440, 1895; HOFMANN, Pteroph., 68, 1895; FERNALD, C. 57, 1898.

*4991. **pumilio** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 324, 1873; WALSINGHAM, Proc. Zool. Soc. Lond., 495, 1891; 58, 1897; FERNALD, C. 58, 1898. — Tex.

syn. *gilvidorsis* (part) HEDEMANN, Stett. ent. Zeit., lvii, 8, 1896.

4992. **pterodactyla** LINNÆUS, Faun. Suec., 371, 1761; WALLENGREN, Fjäderm., 18, 1859; HEINEMANN & WOCKE, Kleinschm., ii, 2, 797, 1876; SNELLEN, Vlind. Nederl., ii, 1040, 1882; LEECH, Brit. Pyr., 61, 1886; TUTT, Mon. Pter. Brit., 100, 1891; MEYRICK, Handb. Brit. Lep., 440, 1895; FERNALD, C. 58, 1898. — Eur., N. Y.

syn. *fuscus* RETZIUS, Gen. et Spec., 35, 1783; ZELLER, Isis, viii, 841, 1841; Linn. Ent., vi, 371, 1852; HERRICH-SCHAEFFER, Schm. Eur., v, 375, 1854; HOFMANN, Pter., 82, 1895; *ptilodactyla* HÜBNER, Eur. Schmett., Alue., pl. 3, f. 16, 1803; TREITSCHKE, Schm. Eur., ix, 2, 244, 1833; *fuscodactyla* HAWORTH, Lep. Brit., 476, 1811.

4993. **exclamationis** WALSINGHAM, Pter. Cal. & Oreg., 32, 1880; FERNALD, C. 59, 1898. — Cal., Oreg.

*4994. **mengeli** FERNALD, No. Am. Pter., 60, 1898. — No. Greenland.

*4995. **semicostata** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 323, 1873; FERNALD, C. 60, 1898. — Tex.

4996. **coloradensis** FERNALD, No. Am. Pter., 61, 1898. — Col.

Family ORNEODIDÆ.

ORNEODES Latreille.

LATREILLE, Préc. Gén. Ins., 148, 1796; Hist. Nat. Crust. Ins., iii, 418, 1802; TREITSCHKE, Schm. Eur., ix, 2, 254, 1833; MEYRICK, Trans. Ent. Soc. Lond., 490, 1890; Handb. Brit. Lep., 442, 1895; FERNALD, C. 61, 1898; *Alucita* (part) LINNÆUS, Syst. Nat., 542, 1758; STEPHENS, Ill. Brit. Ent., Haust., iv, 334, 1834; ZELLER, Isis, viii, 867, 1841; HERRICH-SCHAEFFER, Schm. Eur., v, 386, 1854; WALLENGREN, Fjäderm., 25, 1859; HEINEMANN & WOCKE, Kleinschm., ii, 2, 811, 1876; *Ripidophora* HÜBNER, Tentamen, 1806; *Euchiradia* HÜBNER, Verz. bek. Schm., 431, 1826.

4997. **hexadactyla** LINNÆUS, Syst. Nat., 542, 1758; WOOD, Ind. Ent., f. 1653, 1854; HEINEMANN & WOCKE, Kleinschm., ii, 2, 813, 1876; WALSINGHAM, Pter. Cal. & Oreg., 66, 1880; SNELLEN, Vlind. Nederl., ii, 2, 1060, 1882; SOUTH, Ent., xvi, 74, 1883; LEECH, Brit. Pyr., 69, 1886; TUTT, Mon. Pter. Brit., 158, 1891; MEYRICK, Handb. Brit. Lep., 442, 1895; FERNALD, C. 62, 1898. — Eur., N. Y., Mo., Cal., Col., Oreg., Can., Manitoba.

syn. *polydactyla* HÜBNER, Eur. Schmett., Aluc., pl. vi, f. 28, 1816; TREITSCHKE, Schm. Eur., ix, 2, 257, 1833; *montana* COCKERELL, Ent. Mon. Mag., xxv, 213, 1889.

Family TORTRICIDÆ.

By C. H. FERNALD.

Subfamily OLETHREUTINÆ.

EVETRIA Hübner.

HÜBNER, Verz. bek. Schmett., 378, 1826; MEYRICK, Handb. Brit. Lep., 470, 1895; *Retinia* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 180, 1845; HEINEMANN, Kleinschm., i, 1, 93, 1863.

4998. **frustrana** COMSTOCK, Rept. Dept. Agr., 1879, 236, 1880; SCUDDER, Pine Moth of Nantucket, 4, 1883. — Mass., N. Y., Va.

*4999. **rigidana** FERNALD, Rept. Dept. Agr., 1879, 237, 1880. — N. Y.

5000. **comstockiana** FERNALD, Can. Ent., xi, 157, 1879; COMSTOCK, Rept. Dept. Agr., 1879, 235, 1880. — N. Y., Md.

*5001. **turionana** HÜBNER, Eur. Schmett., Tort., ff. 220, 221, 1818; FRÖLICH, En. Tort. Würt., 69, 1828; TREITSCHKE, Schm. Eur., viii, 137, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 233, 1834; RATZEBURG, Forst. Ins., i, 207, 1839; HERRICH-SCHAEFFER, Schm. Eur., iv, 222, 1851; HEINEMANN, Kleinschm., i, 1, 94, 1863. — Eur., Nev.

syn. *turionella* WILKINSON, Brit. Tort., 222, 1859.

*5002. **sylvestrana** CURTIS, Ann. Mag. Nat. Hist., (2), v, 3, 1850; WILKINSON, Brit. Tort., 220, 1859. — Eur., Oreg.

*5003. **pinivorana** ZELLER, Isis, 225, 1846; WILKINSON, Brit. Tort., 219, 1859; HEINEMANN, Kleinschm., i, 1, 95, 1863; MEYRICK, Handb. Brit. Lep., 471, 1895. — Eur., Oreg.

syn. *pudendana* HERRICH-SCHAEFFER, Schm. Eur., iv, 222, 1851.

*5004. **subcervinana** WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 25, 1879. — Oreg.

POLYCHROSIS Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., lxiii, 208, 1894.

5005. **botrana** SCHIFFERMÜLLER, Syst. Verz. Wien, 131, 1776; HERRICH-SCHAEFFER, Schm. Eur., iv, 225, 1851. — Atl. States, Eur.

syn. *vitisana* JACQUIN, Coll., ii, 97, 1788; *reliquana* HÜBNER, Verz. bek. Schmett., 381, 1816; TREITSCHKE, Schm. Eur., x, 3, 146, 1835; WILKINSON, Brit. Tort., 280, 1859; *viteana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 359, 1860; *vitivorana* PACKARD, Guide Stud. Ins., 336, 1869; RILEY, Rep. Ins. Mo., i, 133, 1869; WALSH & RILEY, Am. Ent., i, 177, 1869.

BACTRA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iv, 124, 1834; WILKINSON, Brit. Tort., 144, 1859; MEYRICK, Handb. Brit. Lep., 456, 1895.

5006. **lanceolana** HÜBNER, Schm. Eur., Tort., f. 80, 1800; TREITSCHKE, Schm. Eur., viii, 324, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 239, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 243, 1851; WILKINSON, Brit. Tort., 145, 1859; HEINEMANN, Kleinschm., i, 1, 134, 1863. — U. S., W. I., Eur., Asia, Africa, Australia, N. Z.

syn. *dibeliana* HÜBNER, Schm. Eur., Tort., f. 272, 1823; *lanceana* FRÖLICH, En. Tort. Würt., 98, 1828.

a. **verutana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 247, 1875.

5007. **furfurana** HAWORTH, Lep. Brit., 466, 1811; WILKINSON, Brit. Tort., 147, 1859; HEINEMANN, Kleinschm., i, 1, 135, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 247, 1875. — Eur., Mass.

syn. *acutana* EVERSMANN, Faun. Volg. Ural., 529, 1844; *lamana* ZELLER, Isis, 257, 1846; *scirpana* HERRICH-SCHAEFFER, Schm. Eur., iv, 243, 1851.

*5008. **inquadrana** WALSINGHAM, Trans. Ent. Soc. Lond., 134, 1884. — Ariz.

EXARTEMA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 356, 1860; MEYRICK, Handb. Brit. Lep., 457, 1895.

*5009. **fagigemmeanum** CHAMBERS, Can. Ent., x, 74, 1878. — Pa., Ky.

*5010. **nitidanum** CLEMENS, Proc. Acad. Nat. Sci. Phil., 356, 1860; Proc. Ent. Soc. Phil., v, 133, 1865. — Pa.

5011. **ferrugineanum** RILEY, Trans. St. Louis Acad. Sci., iv, 317, 1881. — Mo.

5012. **monetiferanum** RILEY, Trans. St. Louis Acad. Sci., iv, 317, 1881. — Ala.

*5013. **sericoranum** WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 36, 1879. — Pa.

*5014. **zellerianum** FERNALD, Trans. Am. Ent. Soc., x, 29, 1882. — Me., Mass.

syn. *nitidanum* ZELLER (not CLEMENS), Verh. zool.-bot. Ges. Wien, xxv, 270, 1875.

5015. **permundanum** CLEMENS, Proc. Acad. Nat. Sci. Phil., 356, 1860; Proc. Ent. Soc. Phil., v, 134, 1865; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 273, 1875. — Atl. States.

syn. *meanderana* WALKER, Cat. Brit. Mus., xxviii, 341, 1863.

*5016. **olivaceanum** FERNALD, Trans. Am. Ent. Soc., x, 71, 1882. — Mass., Pa.

5017. **concinnanum** CLEMENS, Proc. Ent. Soc. Phil., v, 134, 1865. — Va.

syn. *fœdana* CLEMENS, Proc. Ent. Soc. Phil., v, 135, 1865.

*5018. **versicoloranum** CLEMENS, Proc. Acad. Nat. Sci. Phil., 357, 1860. — Mass., Pa.

syn. *appendiceum* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 275, 1875.

*5019. **punctanum** WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 87, 1879. — Mass. to Cal.

syn. *versicolorana* CLEMENS (part), Proc. Ent. Soc. Phil., v, 136, 1865.

*5020. **atrodentanum** FERNALD, Trans. Am. Ent. Soc., x, 71, 1882. — Ohio, Ill., Tex.

5021. **fasciatanum** CLEMENS, Proc. Acad. Nat. Sci. Phil., 357, 1860; Proc. Ent. Soc. Phil., v, 134, 1865. — No. Atl. States.

syn. *decisana* WALKER, Cat. Brit. Mus., xxviii, 340, 1863; *albofasciatum* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 272, 1875.

*5022. **corylanum** FERNALD, Trans. Am. Ent. Soc., x, 71, 1882. — Atl. States.

5023. **exoletum** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 270, 1875. — Mass., N. Y.

5024. **inornatanum** CLEMENS, Proc. Acad. Nat. Sci. Phil., 357, 1860; Proc. Ent. Soc. Phil., 134, 1865. — Atl. States.

syn. *clarana* WALKER, Cat. Brit. Mus., xxviii, 395, 1863; *quadrifidum* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 268, 1875.

*5025. **malanum** FERNALD, Trans. Am. Ent. Soc., x, 72, 1882. — N. Y., Ill.

5026. **footianum** FERNALD, Bull. Buff. Soc., iv, 53, 1882. — N. Y.

5027. **ferriferanum** WALKER, Cat. Brit. Mus., xxviii, 343, 1863; WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 37, 1879. — Va.

syn. *gratiosana* CLEMENS, Proc. Ent. Soc. Phil., v, 134, 1865; *usticana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 293, 1875.

OLETHREUTES Hübner.

HÜBNER, Tent., 2, 1806; *Penthina* TREITSCHKE, Schm. Eur., viii, 21, 1830; *Sericoris* TREITSCHKE, Schm. Eur., viii, 142, 1830.

*5028. **intermistana** CLEMENS, Proc. Ent. Soc. Phil., v, 140, 1865. — Lab.

syn. *tessellana* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 58, 1867.

*5029. **septentrionana** CURTIS, App. Ross Second Voyage N.-W. Pass., 77, 1831. — Arctic Am., Lab.

syn. *primariana* WALKER, Cat. Brit. Mus., xxviii, 336, 1863; *fulvifrontana* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 59, 1867.

*5030. **frigidana** PACKARD, Bost. Soc. Nat. Hist., xi, 57, 1867. — Lab., N. H.

5031. **nimbatana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 346, 1860. — No. Atl. States.

syn. *contrariana* WALKER, Cat. Brit. Mus., xxviii, 374, 1863.

5032. **consanguinana** WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 30, 1879. — Cal.

5033. **capreana** HÜBNER, Eur. Schmett., Tort., f. 250, 1818; TREITSCHKE, Schm. Eur., viii, 27, 1830; HEINEMANN, Kleinschm., i, 1, 106, 1863. — Eur., Lab.

syn. *capræana* WILKINSON, Brit. Tort., 23, 1859; *mæstana* WOCKE, Stett. ent. Zeit., xxiii, 52, 1862.

5034. **dimidiana** SODOFFSKY, Bull. Mosc., 73, 1830; TREITSCHKE, Schm. Eur., x, 3, 46, 1835; HERRICH-SCHAEFFER, Schm. Eur., iv, 228, 1851; WILKINSON, Brit. Tort., 28, 1859; HEINEMANN, Kleinschm., i, 1, 109, 1863. — Eur., Mo.

syn. *atropunctana* ZETTERSTEDT, Ins. Lap., 977, 1840; *ochromelana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 152, 1845.

5035. **hartmanniana** LINNÆUS, Faun. Suec., 345, 1761; TREITSCHKE, Schm. Eur., viii, 91, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 201, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 227, 1851; WILKINSON, Brit. Tort., 19, 1859; HEINEMANN, Kleinschm., i, 1, 106, 1863. — Eur.

syn. *lineana* SCHIFFERMÜLLER, Syst. Verz. Wien, 131, 1776; *scriptana* HÜBNER, Schm. Eur., Tort., f. 110, 1800; FRÖLICH, En. Tort. Würt., 57, 1828; STEPHENS, Ill. Brit. Ent., Haust., iv, 86, 1834.

a. **albeolana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 262, 1875. — No. Atl. States.

*5036. **griseoalbana** WALSINGHAM, Ill. Lep. Het., iv, 38, 1879. — Atl. States.

*5037. **conditana** WALSINGHAM, Ill. Lep. Het., iv, 31, 1879. — Cal.

5038. **hebesana** WALKER, Cat. Brit. Mus., xxviii, 342, 1863; WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 31, 1879. — No. U. S.

syn. *inexpertana* WALKER, Cat. Brit. Mus., xxviii, 394, 1863; *fullerea* RILEY, Am. Ent., ii, 204, 371, 1870.

5039. **cyanana** MURTFELDT, Am. Ent., iii, 14, 1880. — Pa. to Kans.

*5040. **interruptolineana** FERNALD, Trans. Am. Ent. Soc., x, 70, 1882. — Mass., N. H.

*5041. **hemidesma** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 261, 1875. — Me., Mass., Cal.

*5042. **murina** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 60, 1867. — Labrador.

5043. **osmundana** FERNALD, Can. Ent., xi, 156, 1879. — Me., Mass., Pa.

5044. **malachitana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 292, 1875. — Pa., Mo., Tex., So. Am.?

5045. **roseomaculana** HERRICH-SCHAEFFER, Schm. Eur., iv, 229, 1851. — Eur., Labrador.

syn. *lienigiana* HEINEMANN, Kleinschm., i, 1, 111, 1863.

*5046. **costimaculana** FERNALD, Trans. Am. Ent. Soc., x, 70, 1882. — Me., Mass.

5047. **chionosema** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 265, 1875. — Atl. States.

*5048. **melanosticta** WALSINGHAM, Trans. Ent. Soc. Lond., 500, 1895. — Col.

5049. **duplex** WALSINGHAM, Trans. Ent. Soc. Lond., 501, 1895. — Col.

5050. **nubilana** CLEMENS, Proc. Ent. Soc. Phil., v, 140, 1865; PACKARD, Guide Stud. Ins., 333, 1869. — Pa., Wis.

*5051. **vetulana** WALSINGHAM, Ill. Lep. Het., iv, 32, 1879. — Tex., Cal.

*5052. **auricapitana** WALSINGHAM, Ill. Lep. Het., iv, 33, 1879. — Pa., N. Y.

5053. **agilana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 359, 1860. — Pa.

*5054. **albiciliana** FERNALD, Trans. Am. Ent. Soc., x, 70, 1882. — Me.

*5055. **chalybeana** WALSINGHAM, Ill. Lep. Het., iv, 34, 1879. — Oreg., Cal.

5056. **coruscana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 346, 1860. — Me., N. Y., Pa.

syn. *ferrolineana* WALKER, Cat. Brit. Mus., xxviii, 395, 1863; *argyrælana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 277, 1875.

5057. **constellatana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 279, 1875. — Me. to Wis.

*5058. **major** WALSINGHAM, Trans. Ent. Soc. Lond., 502, 1895. — Col.

*5059. **mengelana** FERNALD, Ent. News, v, 131, 1894. — Greenl.

5060. **rivulana** SCOPOLI, Ent. Carn., 237, 1763; SCHIFFERMÜLLER, Syst. Verz. Wien, 131, 1776; HEINEMANN, Kleinschm., i, 1, 123, 1863. — Eur., Cal., Oreg.

syn. *rivellana* FABRICIUS, Syst. Ent., 654, 1775; FRÖLICH, En. Tort. Würt., 62, 1828; *conchana* HÜBNER, Schm. Eur., Tort., f. 106, 1800; HAWORTH, Lep. Brit., 460, 1811; TREITSCHKE, Schm. Eur., viii, 148, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 208, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 213, 1851; WILKINSON, Brit. Tort., 266, 1859.

*5061. **urticana** HÜBNER, Schm. Eur., Tort., f. 65, 1800; HAWORTH, Lep. Brit., 460, 1811; TREITSCHKE, Schm. Eur., viii, 145, 1830; HERRICH-SCHAEFFER, Schm. Eur., iv, 215, 1851; WILKINSON, Brit. Tort., 267, 1859; HEINEMANN, Kleinschm., i, 1, 126, 1863.	Eur., Cal.
*5062. **astrologana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 281, 1875.	Tex.
*5063. **puncticostana** WALKER, Cat. Brit. Mus., xxviii, 339, 1863; WALSINGHAM, Ill. Lep. Het., iv, 33, 1879.	Nova Scotia, Cal.
5064. **instrutana** CLEMENS, Proc. Ent. Soc. Phil., v, 135, 1865.	No. Atl. States.
syn. *poetna* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 282, 1875.	
5065. **turfosana** HERRICH-SCHAEFFER, Schm. Eur., iv, 217, 1851; HEINEMANN, Kleinschm., i, 1, 114, 1863.	Eur., Lab., Me.
*5066. **campestrana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 282, 1875.	Me., Mass.
5067. **fuscalbana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 284, 1875.	Me., Mass., Ohio.
*5068. **glaciana** MÖSCHLER, Wien. ent. Mon., iv, 380, 1860.	Lab., Ont.
*5069. **dealbana** WALKER, Cat. Brit. Mus., xxviii, 374, 1863; WALSINGHAM, Ill. Lep. Het., iv, 34, 1879.	Me., Mo.
*5070. **dilutifuscana** WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 33, 1879.	Oreg.
5071. **bipartitana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 346, 1860; PACKARD, Guide Stud. Ins., 333, 1869.	No. U. S.
syn. *cæsiallana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 285, 1875.	
*5072. **similisana** WALKER, Cat. Brit. Mus., xxviii, 373, 1863.	No. Atl. States.
*5073. **impudens** WALSINGHAM, Trans. Ent. Soc. Lond., 135, 1884.	Mass., N. C.
*5074. **inquietana** WALKER, Cat. Brit. Mus., xxviii, 378, 1863.	Arctic Am.
5075. **niveiguttana** GROTE, Bull. Buff. Soc., i, 91, 1873.	Mass., N. Y., Pa., Mo.

5076. **schulziana** FABRICIUS, Gen. Ins., 293, 1777; ZETTERSTEDT, Ins. Lap., 983, 1840; WILKINSON, Brit. Tort., 276, 1859; HEINEMANN, Kleinschm., i, 1, 120, 1863. — Eur., Arctic Am.

syn. *pinetana* HÜBNER, Schm. Eur., Tort., f. 57, 1800; *ahrensiana* GEYER, Eur. Schm., Tort., ff. 337, 338, 1834; *bentleyana* DONOVAN, Nat. Hist. Brit. Ins., x, pl. 357, f. 1, 1801; *zinckenana* FRÖLICH, En. Tort. Würt., 71, 1828; TREITSCHKE, Schm. Eur., viii, 143, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 225, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 210, 1851.

PHÆCASIOPHORA Grote.

GROTE, Bull. Buff. Soc., i, 90, 1873.

5077. **confixana** WALKER, Cat. Brit. Mus., xxviii, 340, 1863; WALSINGHAM, Ill. Lep. Het., iv, 36, 1879. — Atl. States.

syn. *perductana* WALKER, Cat. Brit. Mus., xxviii, 341, 1863; *mutabilana* CLEMENS, Proc. Ent. Soc. Phil., v, 135, 1865; GROTE, Bull. Buff. Soc., i, 90, 1873; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 276, 1875.

PSEUDOGALLERIA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., (6), iv, Bull. l, 1885.

5078. **inimicella** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 559, 1872. — Atl. States.

EUCOSMA Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 28, 1823; *Pædisca* TREITSCHKE, Schmett. Eur., viii, 188, 1830; HEINEMANN, Kleinschm., i, 1, 142, 1863.

5079. **circulana** HÜBNER, Zutr. exot. Schmett., ii, ff. 363, 364, 1823. — So. Atl. States.

syn. *scintillana* CLEMENS, Proc. Ent. Soc. Phil., v, 142, 1865; PACKARD, Guide Stud. Ins., 337, 1869; *dodecana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 311, 1875.

*5080. **quinquemaculana** ROBINSON, Trans. Am. Ent. Soc., ii, 284, 1869. — So. Atl. States.

syn. *robinsonana* GROTE, Can. Ent., iv, 101, 1872; *quintana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 304, 1875.

5081. **bolanderana** WALSINGHAM, Ill. Lep. Het., iv, 42, 1879. — Cal.

*5082. **agassizii** ROBINSON, Trans. Am. Ent. Soc., ii, 284, 1869. — Tex.

5083.	**ridingsana** ROBINSON, Trans. Am. Ent. Soc., ii, 285, 1869.	Tex., Col.,
	a. **argentifurcatana** GROTE, Can. Ent., viii, 206, 1876.	Can.
	b. **hipeana** GROTE, Can. Ent., viii, 207, 1876.	
*5084.	**fernaldana** GROTE, No. Am. Ent., 98, 1880.	Ky., Col.
5085.	**crambitana** WALSINGHAM, Ill. Lep. Het., iv, 43, 1879.	Cal.
5086.	**monogrammana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 313, 1875.	Tex.
*5087.	**larana** WALSINGHAM, Ill. Lep. Het., iv, 43, 1879.	Cal.
*5088.	**luridana** WALSINGHAM, Ill. Lep. Het., iv, 44, 1879.	Cal.
*5089.	**argentialbana** WALSINGHAM, Ill. Lep. Het., iv, 44, 1879.	Tex.
5090.	**albiguttana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 313, 1875.	Tex.
*5091.	**atomosana** WALSINGHAM, Ill. Lep. Het., iv, 42, 1879.	Cal.
*5092.	**agricolana** WALSINGHAM, Ill. Lep. Het., iv, 42, 1879.	Cal., Oreg., Ariz.
*5093.	**basipunctana** WALSINGHAM, Ill. Lep. Het., iv, 40, 1879.	Cal.
*5094.	**subplicana** WALSINGHAM, Ill. Lep. Het., iv, 41, 1879.	Cal., Oreg.
*5095.	**primulana** WALSINGHAM, Ill. Lep. Het., iv, 45, 1879.	Cal.
5096.	**cataclystiana** WALKER, Cat. Brit. Mus., xxviii, 378, 1863; WALSINGHAM, Ill. Lep. Het., iv, 46, 1879.	Me., Va., Tex., Cal.
	syn. *ochreana* CLEMENS, Proc. Ent. Soc. Phil., iii, 520, 1864; PACKARD, Guide, 337, 1869.	
5097.	**ochraceana** FERNALD, Jn. N. Y. Ent. Soc., ix, 51, 1901.	Fla.
*5098.	**comatulana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 316, 1875.	Tex.
*5099.	**occipitana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 315, 1875.	Tex.
*5100.	**numerosana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 317, 1875.	Tex.
5101.	**giganteana** RILEY, Trans. St. Louis Acad. Sci., iv, 318, 1881.	N. H., Ill., Iowa, Kans.

*5102. **perdricana** WALSINGHAM, Ill. Lep. Het., iv, 49, 1879. — Cal.

*5103. **glomarana** WALSINGHAM, Ill. Lep. Het., iv, 49, 1879. — Tex.

*5104. **fulminana** WALSINGHAM, Ill. Lep. Het., iv, 50, 1879. — Tex., Ill., Cal.

*5105. **irroratana** WALSINGHAM, Ill. Lep. Het., iv, 48, 1879. — Cal.

5106. **bipunctella** WALKER, Cat. Brit. Mus., xxvii, 202, 1863; WALSINGHAM, Ill. Lep. Het., iv, 47, 1879. — Ill.
syn. *worthingtoniana* FERNALD, Can. Ent., x, 83, 1878.

*5107. **grandiflavana** WALSINGHAM, Ill. Lep. Het., iv, 47, 1879. — Cal.

*5108. **subflavana** WALSINGHAM, Ill. Lep. Het., iv, 48, 1879. — Oreg.

*5109. **shastana** WALSINGHAM, Ill. Lep. Het., iv, 46, 1879. — Cal.

*5110. **biquadrana** WALSINGHAM, Ill. Lep. Het., iv, 45, 1879. — Cal.

*5111. **maculatana** WALSINGHAM, Ill. Lep. Het., iv, 48, 1879. — Cal.

*5112. **palpana** WALSINGHAM, Ill. Lep. Het., iv, 54, 1879. — Cal.

*5113. **radicana** WALSINGHAM, Ill. Lep. Het., iv, 53, 1879. — Oreg.

*5114. **passerana** WALSINGHAM, Ill. Lep. Het., iv, 49, 1879. — Cal.

*5115. **canana** WALSINGHAM, Ill. Lep. Het., iv, 50, 1879. — Cal., Ariz.

5116. **lineana** FERNALD, Journ. N. Y. Ent. Soc., ix, 50, 1901. — Fla.

*5117. **culminana** WALSINGHAM, Ill. Lep. Het., iv, 38, 1879. — Cal.

5118. **rectiplicana** WALSINGHAM, Ill. Lep. Het., iv, 40, 1879. — Cal.

*5119. **terracoctana** WALSINGHAM, Ill. Lep. Het., iv, 39, 1879. — Cal.

*5120. **albangulana** WALSINGHAM, Ill. Lep. Het., iv, 40, 1879. — Cal.

5121. **juncticiliana** WALSINGHAM, Ill. Lep. Het., iv, 75, 1879. — Me. to Cal.

*5122. **pulveratana** WALSINGHAM, Ill. Lep. Het., iv, 45, 1879. — Tex., Cal., Ariz.

*5123. **nigralbana** WALSINGHAM, Ill. Lep. Het., iv, 41, 1879. — Me., Cal.

5124. **abbreviatana** WALSINGHAM, Ill. Lep. Het., iv, 54, 1879. — Mass., Pa., D. C.

*5125. **constrictana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 305, 1875. — Fla., Tex.

5126. **abruptana** WALSINGHAM, Ill. Lep. Het., iv, 53, 1879. — Va., Tex.

5127. **solicitana** WALKER, Cat. Brit. Mus., xxviii, 387, 1863; WALSINGHAM, Ill. Lep. Het., iv, 55, 1879. — No. Atl. States.

syn. *packardiana* CLEMENS, Proc. Ent. Soc. Phil., ii, 417, 1864; *tephrinana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 309, 1875.

*5128. **transmissana** WALKER, Cat. Brit. Mus., xxviii, 375, 1863; WALSINGHAM, Ill. Lep. Het., iv, 52, 1879. — No. Atl. States.

5129. **strenuana** WALKER, Cat. Brit. Mus., xxviii, 383, 1863; WALSINGHAM, Ill. Lep. Het., iv, 52, 1879. — Atl. States.

syn. *exragana* WALKER, Cat. Brit. Mus., xxviii, 383, 1863; *flavocellana* CLEMENS, Proc. Ent. Soc. Phil., v, 138, 1865; *subversana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 318, 1875.

5130. **perplexana** FERNALD, Jn. N. Y. Ent. Soc., ix, 51, 1901. — Fla.

5131. **nisella** CLERCK, Icon., pl. 12, f. 6, 1759; LINNÆUS, Faun. Suec., 357, 1761; WILKINSON, Brit. Tort., 78, 1859; HEINEMANN, Kleinschm., i, 1, 158, 1863; MEYRICK, Handb. Brit. Lep., 493, 1895. — Eur., Can.

*5132. **hirsutana** WALSINGHAM, Ill. Lep. Het., iv, 50, 1879. — Cal., Oreg.

*5133. **improbana** WALKER, Cat. Brit. Mus., xxviii, 337, 1863; WALSINGHAM, Ill. Lep. Het., iv, 51, 1879. — Hudson Bay.

syn. *diffinana* WALKER, Cat. Brit. Mus., xxviii, 378, 1863.

*5134. **trigeminana** STEPHENS, Ill. Brit. Ent., Haust., iv, 94, 1834; WILKINSON, Brit. Tort., 94, 1859. — Eur., Cal., Oreg.

syn. *argyrana* STEPHENS, Ill. Brit. Ent., Haust., iv, 95, 1834; *pœcilana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 177, 1845; HERRICH-SCHAEFFER, Schm. Eur., iv, 241, 1851; HEINEMANN, Kleinschm., i, 1, 152, 1863.

*5135. **vertumnana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 310, 1875. — N. Y., Tex.

5136. **celtisana** RILEY, Trans. St. Louis Acad. Sci., iv, 319, 1881. — Tex.

*5137. **matutina** GROTE, Bull. Buff. Soc., i, 92, 1873. — Tex.

5138. **illotana** WALSINGHAM, Ill. Lep. Het., iv, 39, 1879. — Oreg.

5139. **scudderiana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 358, 1860. — No. Atl. States.

syn. *saligneana* CLEMENS, Proc. Ent. Soc. Phil., v, 141, 1865; PACKARD, Guide Stud. Ins., 337, 1869; RILEY, Rep. Ins. Mo., ii, 134, 1870; *affusana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 307, 1875.

5140. **desertana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 306, 1875. — Tex., N. Y.

5140. 1. **obfuscana** RILEY, Proc. Ent. Soc. Wash., i, 33, 1888.[a] — Atl. States.

*5141. **tripartitana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 308, 1875. — Tex.

5142. **otiosana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 354, 1860. — So. Atl. States.

syn. *inclinana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 301, 1875.

5143. **similana** HÜBNER, Vög. & Schm., f. 71, 1792; Eur. Schm., Tort., f. 41, 1800; FRÖLICH, En. Tort. Würt., 47, 1828. — Eur., Me., Mass.

syn. *bimaculana* DONOVAN, Nat. Hist. Brit. Ins., xiii, pl. 459, 1808; HEINEMANN, Kleinschm., i, 1, 145, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 302, 1875; *dissimilana* TREITSCHKE, Schm. Eur., x, 3, 103, 1835; F. v. RÖSLERSTAMM, Ber. Sch., 170, 1839; HERRICH-SCHAEFFER, Schm. Eur., iv, 239, 1851; *cerrana* EVERSMANN, Faun. Volg. Ural., 507, 1844.

5144. **dorsisignatana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 353, 1860. — Atl. States.

syn. *similana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 353, 1860; *distigmana* WALKER, Cat. Brit. Mus., xviii, 384, 1863; *clarana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 303, 1875; *graduatana* WALSINGHAM, Ill. Lep. Het., iv, 54, 1879.

*5145. **adamantana** GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 303, 1845. — N. J.

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[a] Riley's type specimen closely resembles *desertana* Zeller, but the dark marks are more diffuse, especially the patch near tornus, which is gray, showing no black scales.—HARRISON G. DYAR.

*5146. **argenteana** WALSINGHAM, Trans. Ent. Soc. Lond., 504, 1895. — Col.

*5147. **aspidana** WALSINGHAM, Trans. Ent. Soc. Lond., 140, 1884. — Ariz.

*5148. **biplagata** WALSINGHAM, Trans. Ent. Soc. Lond., 507, 1895. — Col.

*5149. **caniceps** WALSINGHAM, Trans. Ent. Soc. Lond., 137, 1884. — Mont.

*5150. **carolinana** WALSINGHAM, Trans. Ent. Soc. Lond., 509, 1895. — N. C.

*5151. **castaneana** WALSINGHAM, Trans. Ent. Soc. Lond., 511, 1895. — Col.

5152. **corosana** WALSINGHAM, Trans. Ent. Soc. Lond., 139, 1884. — Mont.

*5153. **dilatana** WALSINGHAM, Trans. Ent. Soc. Lond., 510, 1895. — Ariz.

*5154. **emaciatana** WALSINGHAM, Trans. Ent. Soc. Lond., 137, 1884. — Ariz.

*5155. **fuscosparsa** WALSINGHAM, Trans. Ent. Soc. Lond., 507, 1895. — Col.

*5156. **hyponomeutana** WALSINGHAM, Trans. Ent. Soc. Lond., 502, 1895. — Col.

*5157. **invicta** WALSINGHAM, Trans. Ent. Soc. Lond., 509, 1895. — Col.

*5158. **mediostriata** WALSINGHAM, Trans. Ent. Soc. Lond., 508, 1895. — Col.

5159. **morrisoni** WALSINGHAM, Trans. Ent. Soc. Lond., 138, 1884. — Mont.

*5160. **ragonoti** WALSINGHAM, Trans. Ent. Soc. Lond., 503, 1895. — Col.

*5161. **serpentana** WALSINGHAM, Trans. Ent. Soc. Lond., 504, 1895. — Cal.

*5162. **smithiana** WALSINGHAM, Trans. Ent. Soc. Lond., 506, 1895. — Col.

THIODIA Hübner.

HÜBNER, Verz. bek. Schmett., 391, 1826; WALSINGHAM, Proc. Zool. Soc. Lond., 125, 1897; *Semasia* HERRICH-SCHAEFFER, Schm. Eur., iv, 244, 1851; HEINEMANN, Kleinschm., i, 1, 166, 1863.

5163. **radiatana** WALSINGHAM, Ill. Lep. Het., iv, 55, 1879. — Nova Scotia, Me., N. Y.

5164. **olivaceana** RILEY, Trans. St. Louis Acad. Sci., iv, 320, 1881. — Ill.

5165. **formosana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 360, 1860; PACKARD, Guide Stud. Ins., 338, 1869. — No. Atl. States.

syn. *sagittana* WALKER, Cat. Brit. Mus., xxviii, 386, 1863; *stercoreana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 290, 1875.

*5166. **corculana** ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 11, 1874. — Vancouver Island.

5167. **aspidiscana** HÜBNER, Eur. Schmett., Tort., f. 256, 1818; FRÖLICH, En. Tort. Würt., 96, 1828; TREITSCHKE, Schm. Eur., viii, 210, 1830; STEPHENS, Ill. Brit. Ent., Haust., iv, 120, 1834; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 275, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 247, 1851; HEINEMANN, Kleinschm., i, 1, 120, 1863. — Eur., Oreg.

syn. *dahlbomiana* ZETTERSTEDT, Ins. Lap., 897, 1840.

*5168. **ferruginana** FERNALD, Trans. Am. Ent. Soc., x, 72, 1882. — No. Atl. States.

5169. **succedana** SCHIFFERMÜLLER, Syst. Verz. Wien, 129, 1776; FRÖLICH, En. Tort. Würt., 95, 1828; TREITSCHKE, Schm. Eur., viii, 211, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 302, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 252, 1851; HEINEMANN, Kleinschm., i, 1, 193, 1863. — Eur., Oreg.

syn. *asseclana* HÜBNER, Schm. Eur., Tort., f. 194, 1800; *decorana* HAWORTH, Lep. Brit., 437, 1811; *alicetana* HAWORTH, Lep. Brit., 458, 1811; *lanceolana* STEPHENS, Ill. Brit. Ent., Haust., iv, 121, 1834.

a. **gallicana** HERRICH-SCHAEFFER, Schm. Eur., iv, 252, 1851.

b. **conjunctana** MÖSCHLER, Berl. ent. Zeit., 140, 1866.

*5170. **rœssleri** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 291, 1875. — Cal.

5171. **vestaliana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 286, 1875. — Tex., Col., Mont.

*5172. **elongana** WALSINGHAM, Ill. Lep. Het., iv, 56, 1879. — Oreg.

*5173. **tarandana** MÖSCHLER, Stett. ent. Zeit., xxiv, 165, 1874. — Lab., Oreg.

*5174. **artemisiana** WALSINGHAM, Ill. Lep. Het., iv, 56, 1879. — Cal.

*5175. **argenticostana** WALSINGHAM, Ill. Lep. Het., iv, 61, 1879. — Ariz., Oreg.

*5176. **spiculana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 289, 1875. — Tex.

5177. **striatana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 349, 1860. — Atl. States.

syn. *albicepsana* WALKER, Cat. Brit. Mus., xxviii, 379, 1863; *tririttana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 287, 1875.

5178. **tenuiana** WALSINGHAM, Ill. Lep. Het., iv, 59, 1879. — Cal., Nev.

*5179. **clavana** FERNALD, Trans. Am. Ent. Soc., x, 72, 1882. — Mass.

*5180. **pallidicostana** WALSINGHAM, Ill. Lep. Het., iv, 62, 1879. — Cal.

*5181. **griseocapitana** WALSINGHAM, Ill. Lep. Het., iv, 61, 1879. — Cal.

*5182. **taleana** GROTE, Can. Ent., x, 54, 1878. — Ill.

*5183 **perangustana** WALSINGHAM, Ill. Lep. Het., iv, 58, 1879. — Cal.

5184. **amphorana** WALSINGHAM, Ill. Lep. Het., iv, 63, 1879. — Oreg., Col.

*5185. **decempunctana** WALSINGHAM, Ill. Lep. Het., iv, 58, 1879. — Oreg.

5186. **helianthana** RILEY, Trans. St. Louis Acad. Sci., iv, 319, 1881. — Md., Tex.

*5187. **columbiana** WALSINGHAM, Ill. Lep. Het., iv, 57, 1879. — Oreg.

5188. **scalana** WALSINGHAM, Ill. Lep. Het., iv, 57, 1879. — Cal., Oreg.

*5189. **signatana** CLEMENS, Proc. Ent. Soc. Phil., iii, 514, 1864. — Atl. States.

syn. *variana* CLEMENS, Proc. Ent. Soc. Phil., iii, 520, 1864; *aceriella* CLEMENS, Tin., No. Am. 178, 1872; *subnisana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 294, 1875.

5190. **lapidana** WALSINGHAM, Ill. Lep. Het., iv, 58, 1879. — Oreg.

*5191. **sublapidana** WALSINGHAM, Ill. Lep. Het., iv, 59, 1879. — Oreg.

*5192. **parvana** WALSINGHAM, Ill. Lep. Het., iv, 60, 1879. — Oreg.

*5193. **stramineana** WALSINGHAM, Ill. Lep. Het., iv, 60, 1879. — Col.

*5194. **minimana** WALSINGHAM, Ill. Lep. Het., iv, 60, 1879. — Cal.

5195. **infuscana** WALSINGHAM, Ill. Lep. Het., iv, 62, 1879. — Cal.

*5196. **refusana** WALKER, Cat. Brit. Mus., xxviii, 382, 1863; WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 63, 1879. — Can.

*5197. **perstructana** WALKER, Cat. Brit. Mus., xxviii, 343, 1863; WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 64, 1879. — Hudson Bay.

*5198. **offectalis** HULST, Trans. Am. Ent. Soc., xiii, 166, 1886. — Col., N. Mex., Cal.

syn. *bucephaloides* WALSINGHAM, Ins. Life, iii, 465, 1891.

5199. **apacheana** WALSINGHAM, Trans. Ent. Soc. Lond., 149, 1884. — Ariz.

*5200. **montanana** WALSINGHAM, Trans. Ent. Soc. Lond., 143, 1884. — Mont.

*5201. **obliterana** WALSINGHAM, Trans. Ent. Soc. Lond., 513, 1895. — Ariz., Col.

5202. **ochreicostana** WALSINGHAM, Trans. Ent. Soc. Lond., 141, 1884. — Mont.

*5203. **ochrocephala** WALSINGHAM, Trans. Ent. Soc. Lond., 513, 1895. — Col.

*5204. **octopunctana** WALSINGHAM, Trans. Ent. Soc. Lond., 512, 1895. — Col.

*5205. **transversa** WALSINGHAM, Trans. Ent. Soc. Lond., 514, 1895. — Col.

EPISIMUS Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 501, 1891; 122, 1897.

5206. **augmentanus** ZELLER, Hor. Soc. Ent. Ross., xiii, 158, 1877; WALSINGHAM, Proc. Zool. Soc. Lond., 502, 1891; 123, 1897; DYAR, Proc. Ent. Soc. Wash., iv., 468, 1901. — Fla., W. I.

5207. **argutanus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 358, 1860; DYAR, Proc. Ent. Soc. Wash., iv, 469, 1901. — Can. to Fla., Tex., W. I.

syn. *allutana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 295, 1875.

EXENTERA Grote.

GROTE, Can. Ent., ix, 227, 1877.

5208. **apriliana** GROTE, Can. Ent., ix, 227, 1877. — N. Y., Pa., Col.

HYSTRICOPHORA Walsingham.

WALSINGHAM, Ill. Lep. Het., iv, 64, 1879.

*5209. **leonana** WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 65, 1879. — Cal.

a. **aurantiana** WALSINGHAM, Ill. Lep. Het., iv, 65, 1879.

PROTEOPTERYX Walsingham.

WALSINGHAM, Ill. Lep. Het., iv, 68, 1879.

5210. **emarginana** WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 68, 1879. — Cal., Ariz.

*5211. **oregonana** WALSINGHAM, Ill. Lep. Het. Brit. Mus., iv, 62, 1879. — Oreg.

5212. **cressoniana** CLEMENS, Proc. Ent. Soc. Phil., iii, 514, 1864. — N. Y., Va.

5213. **deludana** CLEMENS, Proc. Ent. Soc. Phil., iii, 513, 1864. — So. Atl. States.

5214. **spoliana** CLEMENS, Proc. Ent. Soc. Phil., iii, 513, 1864. — So. Atl. States.

*5215. **resuptana** WALKER, Cat. Brit. Mus., xxviii, 376, 1863; WALSINGHAM, Ill. Lep. Het., iv, 44, 1879. — Nova Scotia, Pa.

*5216. **virginiana** CLEMENS, Proc. Ent. Soc. Phil., iii, 512, 1864. — Va.

5217. **costomaculana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 349, 1860. — Me., Pa.

syn. *bipustulana* WALKER, Cat. Brit. Mus., xxviii, 316, 1863.

*5218. **pulchellana** CLEMENS, Proc. Ent. Soc. Phil., iii, 511, 1864. — Va.

PROTEOTERAS Riley.

RILEY, Trans. St. Louis Acad. Sci., iv, 321, 1881.

5219. **æsculanum** RILEY, Trans. St. Louis Acad. Sci., iv, 321, 1881. — N. Y., Mo., Tex.

EPINOTIA Hübner.

HÜBNER, Verz. bek. Schmett., 377, 1826.

5220. **incarnana** HAWORTH, Lep. Brit., 435, 1811; STEPHENS, Ill. Brit. Ent., Haust., iv, 120, 1834. — Eur., Cal.

syn. *dealbana* FRÖLICH, En. Tort. Würt., 51, 1828; HERRICH-SCHAEFFER, Schm. Eur., iv, 232, 1851; WILKINSON, Brit. Tort., 120, 1859; HEINEMANN, Kleinschm., i, 1, 207, 1863; *minorana* TREITSCHKE, Schm. Eur., viii, 48, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 573, 1834.

*5221. **fasciolana** CLEMENS, Proc. Ent. Soc. Phil., iii, 511, 1864. — Me., Mass., N. Y., Pa.

syn. *blakeana* GROTE, Bull. Buff. Soc., i, 91, 1873.

5222. **lagopana** WALSINGHAM, Ill. Lep. Het., iv, 71, 1879. — Cal., Ariz., Mont.

*5223. **liturana** WALSINGHAM, Ill. Lep. Het., iv, 71, 1879. — Cal.

*5224 **purpuriciliana** WALSINGHAM, Ill. Lep. Het., iv, 72, 1879. — Cal.

5225. **salicicolana** CLEMENS, Proc. Ent. Soc. Phil., iii, 514, 1864. — Ill.

5226. **saliciana** CLEMENS, Proc. Ent. Soc. Phil., iii, 515, 1864. — Ill.

5227. **crispana** CLEMENS, Proc. Ent. Soc. Phil., v, 137 1865. — No. Atl. States.

5228. **augustana** HÜBNER, Schm. Eur., Tort., f. 205, 1818; TREITSCHKE, Schm. Eur., viii, 221, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 486, 1834; ZELLER, Isis, 247, 1846; HERRICH-SCHAEFFER, Schm. Eur., iv, 272, 1851; HEINEMANN, Kleinschm., i, 1, 219, 1863. — Eur., Hudson Bay, Cal.

syn. *cruciana* ZETTERSTEDT, Ins. Lap., 981, 1840; *pullana* EVERSMANN, Faun. Volg. Ural., 512, 1844; *direptana* WALKER, Cat. Brit. Mus., xxviii, 338, 1863; *vilisana* WALKER, Cat. Brit. Mus., xxviii, 338, 1863.

5229. **pinicolana** ZELLER, Isis, 242, 1846; HERRICH-SCHAEFFER, Schm. Eur., iv, 207, 1851; HEINEMANN, Kleinschm., i, 1, 210, 1863. — Eur., N. Y., Wis.

syn. *occultana* WILKINSON, Brit. Tort., 223, 1859.

*5230. **biangulana** WALSINGHAM, Ill. Lep. Het., iv, 71, 1879. — Oreg.

*5231. **nebulosana** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 61, 1866. — Lab.

5232. **claypoleana** RILEY, Psyche, iii, 364, 1882; Am. Nat., xvi, 913, 1882; Pap., iii, 191, 1883; PACKARD, Rept. U. S. Ent. Com., v, 654, 1890; LINTNER, Rept. N. Y. St. Ent., xii, 214, 1897. — N. Y., Pa., Ohio.

syn. *instrutana* CLAYPOLE (not CLEMENS), Proc. Am. Assoc. Adv. Sci., 269, 1882; RILEY, Am. Nat., xv, 1009, 1881.

5233. **ratzeburgiana** SAXESEN, Forst-Ins., ii, 227, 1840; FERNALD, Rept. Dept. Agr., 378, 1884; PACKARD, Rept. U. S. Ent. Com., v, 845, 1890. — Me., Eur.

*5234. **pyricolana** MURTFELDT, Bull. no. 23, U. S. Dept. Agr., 52, 1891. — Mo.

5235. **lindana** FERNALD, Can. Ent., xxiv, 178, 1892. — Can., Mass.

*5236. **medioplagata** WALSINGHAM, Trans. Ent. Soc. Lond., 516, 1895. — Col.

TMETOCERA Lederer.

LEDERER, Wien. ent. Mon., iii, 367, 1859; HEINEMANN, Kleinschm., i, 1, 206, 1863; MEYRICK, Handb. Brit. Lep., 476, 1895.

5237. **ocellana** SCHIFFERMÜLLER, Syst. Verz. Wien, 130, 1776; FABRICIUS, Mant. Ins., ii, 228, 1787; TREITSCHKE, Schm. Eur., viii, 40, 1830; HERRICH-SCHAEFFER, Schm. Eur., iv, 233, 1851; WILKINSON, Brit. Tort., 118, 1859; LEDERER, Wien. ent. Mon., iii, 368, 1859; HEINEMANN, Kleinschm., i, 1, 206, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 267, 1875. — No. U. S., Eur.

syn. *luscana* FABRICIUS, Ent. Syst., 255, 1793; FRÖLICH, En. Tort. Würt., 50, 1828; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 203, 1834; *comitana* HÜBNER, Schm. Eur., Tort., f. 16, 1800; *pyrifoliana* CLEMENS, Proc. Acad. Nat. Sci. Phil., 357, 1860; *oculana* HARRIS, Inj. Ins., 482, 1862; SAUNDERS, Can. Ent., iii, 13, 1871.

EUDEMIS Hübner.

HÜBNER, Verz. bek. Schmett., 382, 1826; MEYRICK, Handb. Brit. Lep., 476, 1895.

5238. **vacciniana** PACKARD, Guide Stud. Ins., 338, 1869; GLOVER, Rept. U. S. Dept. Agr., 85, 1870; SMITH, Bull. no. 4, U. S. Dept. Agr., 10, 1884; SAUNDERS, Inj. Ins., 369, 1889. — No. U. S., Cal.

syn. ?*luctiferana* WALKER, Cat. Brit. Mus., xxviii, 342, 1863.

ANCYLIS Hübner.

HÜBNER, Verz. bek. Schmett., 376, 1826; MEYRICK, Handb. Brit. Lep., 477, 1895; *Phoxopteris* TREITSCHKE, Schm. Eur., vii, 232, 1829; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 22, 1834.

5239. **mediofasciana** CLEMENS, Proc. Ent. Soc. Phil., iii, 511, 1864; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 248, 1875. — Me., Mass., N. Y.

5240. **nubeculana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 349, 1860; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 249, 1875; RILEY, Rept. U. S. Dept. Agr., 239, 1878. — No. Atl. States.

*5241. **subæquana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 254, 1875. — Me., Mass.

*5242. **discigerana** WALKER, Cat. Brit. Mus., xxviii, 384, 1863. — No. Atl. States.

5243. **semiovana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 250, 1875. — Me., N. Y.

5244. **murtfeldtiana** RILEY, Trans. St. Louis Acad. Sci., iv, 323, 1881. — Mo.

5245. **lundana** FABRICIUS, Gen. Ins., 294, 1777; DONOVAN, Nat. Hist. Brit. Ins., xi, pl. 374, f. 1, 1804; HAWORTH, Lep. Brit., 452, 1811; FRÖLICH, En. Tort. Würt., 99, 1828; WILKINSON, Brit. Tort., 138, 1859. — Eur., Oreg.

syn. *badiana* SCHIFFERMÜLLER, Syst. Verz. Wien, 126, 1776; TREITSCHKE, Schm. Eur., viii, 243, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 343, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 285, 1851; HEINEMANN, Kleinschm., i, 1, 225, 1863; *corylana* HÜBNER, Vög. & Schm., f. 63, 1792; Schm. Eur., Tort., f. 53, 1800.

*5246. **spiræifoliana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 348, 1860. — Pa.

syn. *metamelana* WALKER, Cat. Brit. Mus., xxviii, 385, 1863; *discoferana* WALKER, Cat. Brit. Mus., xxviii, 386, 1863.

5247. **laciniana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 253, 1875. — Mass.

5248. **burgessiana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 252, 1875. — Me., Mass.

*5249. **dubiana** CLEMENS, Proc. Ent. Soc. Phil., iii, 512, 1864. — Va.

*5250. **floridana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 258, 1875. — Ohio.

*5251. **amblygona** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 259, 1875. — D. C.

5252. **comptana** FRÖLICH, En. Tort. Würt., 99, 1828; DUPONCHEL, Lép. Fr., suppl., 187, 1844; HERRICH-SCHAEFFER, Schm. Eur., iv, 286, 1851; WILKINSON, Brit. Tort., 141, 1859; HEINEMANN, Kleinschm., i, 1, 225, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 257, 1875. — Can., Ill., Mo.

syn. *confluxana* WALKER, Cat. Brit. Mus., xxviii, 384, 1863; *fragariæ* WALSH & RILEY, Am. Ent., i, 89, 1869; RILEY, Rep. Ins. Mo., i, 142, 1869; PACKARD, Guide Stud. Ins., 340, 1869.

*5253. **angulifasciana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 256, 1875. — Me., Mass., Ohio.

5254. **platanana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 349, 1860. — Pa., Mo., Tex.

syn. *marcidana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 260, 1875.

5255. **divisana** WALKER, Cat. Brit. Mus., xxviii, 385, 1863; WALSINGHAM, Ill. Lep. Het., iv, 74, 1879. — Nova Scotia, Mass.

5256. **apicana** WALKER, Cat. Brit. Mus., xxxv, 1795, 1866; WALSINGHAM, Ill. Lep. Het., iv, 73, 1879. — Nova Scotia, Mass., Oreg.

5257. **cornifoliana** RILEY, Trans. St. Louis Acad. Sci., iv, 324, 1881. — Mass., Pa., Kans.

*5258. **muricana** WALSINGHAM, Ill. Lep. Het., iv, 74, 1879. — D. C.

5259. **uncana** HÜBNER, Schmett. Eur., Tort., f. 76, 1800; HAWORTH, Lep. Brit., 451, 1811; FRÖLICH, En. Tort. Würt., 101, 1828; TREITSCHKE, Schm. Eur., viii, 237, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 335, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 286, 1851; WILKINSON, Brit. Tort., 137, 1859. — Eur., N. H.

syn. *geminana* DONOVAN, Nat. Hist. Brit. Ins., xi, 29, 1804; *uncella* HEINEMANN, Kleinschm., i, 1, 224, 1863.

5260. **biarcuana** STEPHENS, Cat., ii, 178, 1829; WILKINSON, Brit. Tort., 136, 1859; HEINEMANN, Kleinschm., i, 1, 223, 1863. — Eur., Cal.

syn. *cuspidana* STEPHENS, Ill. Brit. Ent., Haust., iv, 113, 1834; *crenana* DUPONCHEL, Hist. Nat. Lép. Fr., ix, 334, 518, 1834; *fluctigerana* HERRICH-SCHAEFFER, Schm. Eur., iv, 286, 1851.

*5261. **goodelliana** FERNALD, Trans. Am. Ent. Soc., x, 69, 1882. — N. Eng.

*5262. **plagosana** CLEMENS, Proc. Ent. Soc. Phil., ii, 417, 1864. — Lab.

5263. **pacificana** WALSINGHAM, Ill. Lep. Het., iv, 73, 1879. — Cal., Oreg.

*5264. **cometana** WALSINGHAM, Ill. Lep. Het., iv, 74, 1879. — Cal.

*5265. **loricana** GROTE, Can. Ent., xii, 218, 1880. — Ohio.

*5266. **tineana** HÜBNER, Schm. Eur., Tort., f. 81, 1800; HERRICH-SCHAEFFER, Schm. Eur., iv, 284, 1851; HEINEMANN, Kleinschm., i, 1, 223, 1863. — Eur., Lab., Me., Mass.

syn. *ocellana* CLEMENS, Proc. Ent. Soc. Phil., iii, 510, 1864; *leucophaleratana* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 56, 1866.

5267. **kincaidiana** FERNALD, Proc. Wash. Acad. Sci., ii, 500, 1900. — Alaska.

ENARMONIA Hübner.

HÜBNER, Verz. bek. Schmett., 375, 1826; MEYRICK, Handb. Brit. Lep., 472, 1895; *Grapholita* TREITSCHKE, Schm. Eur., vii, 232, 1829; *Grapholitha* HERRICH-SCHAEFFER, Schm. Eur., iv, 253, 1851; LEDERER, Wien. ent. Mon., iii, 330, 1859; HEINEMANN, Kleinschm., i, 1, 177, 1863.

5268. **caryana** FITCH, N. Y. Agr. Rept., xvi, 459, 1856. — Atl. States.
syn. *caryæ* SHIMER, Trans. Am. Ent. Soc., ii, 394, 1869.

5269. **prunivora** WALSH, Rept. Ent. Ill., i, 80, 1868. — Ill., Mo., Minn.

5270. **interstinctana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 351, 1860; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 296, 1875. — Atl. States.
syn. *scitana* WALKER, Cat. Brit. Mus., xxviii, 413, 1863; *distema* GROTE, Bull. Buff. Soc., i, 92, 1873.

5271. **bracteatana** FERNALD, Rept. U. S. Dept. Agr., 1880, 265, 1881. — Cal.

*5272. **conversana** WALSINGHAM, Ill. Lep. Het., iv, 66, 1879. — Oreg.

5273. **albimaculana** FERNALD, Can. Ent., xi, 157, 1879. — Me.

5274. **lunatana** WALSINGHAM, Ill. Lep. Het., iv, 66, 1879. — Oreg

*5275. **tristrigana** CLEMENS, Proc. Ent. Soc. Phil., v, 133, 1865. — Mass., Va.

5276. **americana** WALSINGHAM, Ill. Lep. Het., iv, 67, 1879. — Cal.

*5277. **cæruleana** WALSINGHAM, Ill. Lep. Het., iv, 66, 1879. — Oreg.

*5278. **vitrana** WALSINGHAM, Ill. Lep. Het., iv, 65, 1879. — Oreg.

*5279. **lautana** CLEMENS, Proc. Ent. Soc. Phil., v, 139, 1865 (as *tautana*, typ. err.). — Va., Tex.
syn. *perfluana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 299, 1875.

5280. **gallæsaliciana** RILEY, Trans. St. Louis Acad. Sci., iv, 320, 1881. — N. Y., Mo., Tex.

*5281. **trossulana** WALSINGHAM, Ill. Lep. Het., iv, 67, 1879. — Cal.

*5282. **packardi** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 300, 1875. — Tex.

*5283. **parmatana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 352, 1860. — Pa.

*5284. **duodecemstriata** WALSINGHAM, Trans. Ent. Soc. Lond., 146, 1884. — Ariz.

*5285. **sebastianiæ** RILEY, Proc. Ent. Soc. Wash., ii, 214, 1892. — N. Mex.

*5286. **larimana** WALSINGHAM, Trans. Ent. Soc. Lond., 518, 1895. — Cal.

ECDYTOLOPHA Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 266, 1875.

5287. **insiticiana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 266, 1875. — Mass. to Col.

HEMIMENE Hübner.

HÜBNER, Verz. bek. Schmett., 378, 1826; MEYRICK, Handb. Brit. Lep., 499, 1895; *Dichrorampha* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 185, 1845; LEDERER, Wien. ent. Mon., iii, 369, 1859; HEINEMANN, Kleinschm., i, 1, 229, 1863.

*5288. **incanana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 351, 1860. — Pa.

*5289. **simulana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 351, 1860; PACKARD, Guide Stud. Ins., 337, 1869. — So. Atl. States.

syn. *aurisignana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 319, 1875.

5290. **alpinana** TREITSCHKE, Schm. Eur., viii, 230, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 322, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 271, 1851; WILKINSON, Brit. Tort., 105, 1859; HEINEMANN, Kleinschm., i, 1, 230, 1863. — Eur., Oreg.

syn. *politana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 185, 1845; WILKINSON, Brit. Tort., 104, 1859.

5291. **plumbana** SCOPOLI, Ent. Carn., no. 592, 1763; HEINEMANN, Kleinschm., i, 1, 239, 1863. — Eur., Cal.

syn. *petiverella* SCHIFFERMÜLLER, Syst. Verz. Wien, 136, 1776; *zachana* TREITSCHKE, Schm. Eur., viii, 217, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 282, 1834; *ulicana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 185, 1845; WILKINSON, Brit. Tort., 228, 1859; *blepharana* HERRICH-SCHAEFFER, Schm. Eur., iv, 254, 1851.

5292. **radicolana** WALSINGHAM, Ill. Lep. Het., iv, 75, 1879. — Oreg.

LIPOPTYCHA Lederer.

LEDERER, Wien. ent. Mon., iii, 370, 1859; MEYRICK, Handb. Brit. Lep., 503, 1895.

5293. **maculana** FERNALD, Jn. N. Y. Ent. Soc., ix, 51, 1901. — Fla.

PAMMENE Hübner.

HÜBNER, Verz. bek. Schmett., 378, 1826; MEYRICK, Handb. Brit. Lep., 505, 1895 *Phthoroblastis* LEDERER, Wien. ent. Mon., iii, 370, 1859.

*5294. **texanana** WALSINGHAM, Ill. Lep. Het., iv, 70, 1879. — Tex.

MELISSOPUS Riley.

RILEY, Trans. St. Louis Acad. Sci., iv, 322, 1881.

5295. **latiferreanus** WALSINGHAM, Ill. Lep. Het., iv, 70, 1879; RILEY, Trans. St. Louis Acad. Sci., iv, 322, 1881. — Me. to Cal.

CYDIA Hübner.

HÜBNER, Verz. bek. Schmett., 375, 1826; WALSINGHAM, Proc. Zool. Soc. Lond., 130, 1897; *Carpocapsa* TREITSCHKE, Schm. Eur., vii, 231, 1829; LEDERER, Wien. ent. Mon., iii, 368, 1859; HEINEMANN, Kleinschm., i, 1, 193, 1863.

5296. **pomonella** LINNÆUS, Syst. Nat., x, 538, 1758; STEPHENS, Ill. Brit. Ent., Haust., iv, 119, 1834; WILKINSON, Brit. Tort., 236, 1859; HARRIS, Inj. Ins., 484, 1862; HEINEMANN, Kleinschm., i, 1, 194, 1863. — U. S., Eur.

syn. *pomonana* SCHIFFERMÜLLER, Syst. Verz. Wien, 126, 1776; HÜBNER, Schm. Eur., Tort., f. 30, 1800; HAWORTH, Lep. Brit., 457, 1811; FRÖLICH, En. Tor. Würt., 78, 1828; TREITSCHKE, Schm. Eur., viii, 161, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 248, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 251, 1851; *pomana* FABRICIUS, Ent. Syst., iii, 279, 1793.

5297. **saltitans** WESTWOOD, Proc. Ashmol. Soc., iii, 137, 1857. — Mex.

syn. *deshaisiana* LUCAS, Ann. Soc. Ent. Fr., pl. 16, 1858.

*5298. **toreuta** GROTE, Bull. Buff. Soc., i, 92, 1873. — Pa., Va.,

5298. 1. **ninana** RILEY, Sm. List Lep. Bor. Am., no. 5025, 1891.[a] — Ariz.

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[a] In Riley's types the fore wings are leaden gray with a pale carneous ray in cell and a narrower bent one on submedian fold. Transverse posterior line black and shining plumbeous, from middle of costa bent at middle almost at right angles ending above tornus. Space beyond bright rose pink, costal edge carneous white with several bent brown-black bars, fringe shining plumbeous. Hind wings blackish, fringe pale.—HARRISON G. DYAR.

Subfamily TORTRICINÆ.

ALCERIS Hübner.

Hübner, Verz. bek. Schmett., 384, 1826; *Teras* Treitschke, Schm. Eur., vii, 233, 1829; Lederer, Wien. ent. Mon., iii, 149, 1859; Heinemann, Kleinschm., i, 1, 10, 1863.

5299. **effractana** Frölich, En. Tort. Würt., 27, 1828; Treitschke, Schm. Eur., viii, 249, 1830; F. v. Röslerstamm, Ber. Sch., 144, 1839; Herrich-Schaeffer, Schm. Eur., iv, 154, 1849; Heinemann, Kleinschm., i, 1, 12, 1863. — Eur., Vanc. Id.

syn. *scabrana* Fabricius (not Schiffermüller), Sp. Ins., no. 54, 1781; *caudana* Haworth (not Fabricius), Lep. Brit., no. 46, 1811; Hübner, Schm. Eur., Tort., f. 232, 1818; *indecorana* Zetterstedt, Ins. Lap., 989, 1840.

*5300. **peculiana** Zeller, Verh. zool.-bot. Ges. Wien, xxv, 210, 1875. — Tex.

*5301. **subnivana** Walker, Cat. Brit. Mus., xxviii, 376, 1863; Walsingham, Ill. Lep. Het., iv, 1, 1879. — Atl. States.

syn. *deflectana* Robinson, Trans. Am. Ent. Soc., ii, 283, 1869; Zeller, Verh. zool.-bot. Ges. Wien, xxv, 211, 1875.

5302. **trisignana** Robinson, Trans. Am. Ent. Soc., ii, 282, 1869. — N. Y., Va.

5303. **boscana** Fabricius, Ent. Syst., iii, 2, 269, 1794; Duponchel, Hist. Nat. Lép. Fr., ix, 131, 1834; Herrich-Schaeffer, Schm. Eur., iv, 147, 1849; Wilkinson, Brit. Tort., 163, 1859; Heinemann, Kleinschm., i, 1, 20, 1863; Meyrick, Handb. Brit. Lep., 523, 1895. — No. Atl. States, Eur.

syn. *cerusana* Hübner, Schm. Eur., Tort., f. 63, 1800; Treitschke, Schm. Eur., viii, 182, 1830.

a. **parisiana** Guenée, Ann. Soc. Ent. Fr., (2), iii, 145, 1845; Herrich-Schaeffer, Schm. Eur., iv, 147, 1849; *placidana* Robinson, Trans. Am. Ent. Soc., ii, 282, 1869.

5304. **niveana** Fabricius, Mant. Ins., ii, 233, 1787; Frölich, En. Tort. Würt., 19, 1828; Heinemann, Kleinschm., i, 1, 22, 1863. — Eur., Can.

syn. *treueriana* Hübner, Schm. Eur., Tort., f. 100, 1800; Treitschke, Schm. Eur., viii, 93, 1830; Fischer v. Röslerstamm, Ber. Sch., 43, 1838; *treveriana* Duponchel, Hist. Nat. Lép. Fr., ix, 135, 1834; Herrich-Schaeffer, Schm. Eur., iv, 151, 1849; *cerusana* Duponchel, Hist. Nat. Lép. Fr., ix, 532, 1834.

*5305. **nigrolinea** ROBINSON, Trans. Am. Ent. Soc., ii, 281, 1869. — Can., Me., Vanc. Id.

syn. *senescens* ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 9, 1874.

*5306. **ferruginiguttana** FERNALD, Trans. Am. Ent. Soc., x, 65, 1882. — Col.

*5307. **brewsteriana** ROBINSON, Trans. Am. Ent. Soc., ii, 283, 1869. — Me., N. Y.

*5308. **celiana** ROBINSON, Trans. Am. Ent. Soc., ii, 283, 1869. — Mass., N. Y.

5309. **hastiana** LINNÆUS, Syst. Nat., x, 532, 1758; Faun. Suec., no. 1328, 1761; FABRICIUS, Syst. Ent., 650, 1775; FRÖLICH, En. Tort. Würt., 23, 1828; WILKINSON, Brit. Tort., 171, 1859; HEINEMANN, Kleinschm., i, 1, 14, 1863. — Eur., Atl. States.

syn. *logiana* FABRICIUS, Syst. Ent., 651, 1775; *scabrana* SCHIFFERMÜLLER, Syst. Verz. Wien, 130, 1776; TREITSCHKE, Schm. Eur., viii, 255, 1830; *elevana* FABRICIUS, Ent. Syst., 269, 1793.

a. **divisana** HÜBNER, Eur. Schmett., Tort., f. 198, 1800; ROBINSON, Trans. Am. Ent. Soc., ii, 280, 1869.

b. **flavivittana** CLEMENS, Proc. Ent. Soc. Phil., iii, 516, 1864; ROBINSON, Trans. Am. Ent. Soc., ii, 280, 1869.

c. **perspicuana** ROBINSON, Trans. Am. Ent. Soc., ii, 280, 1869.

d. **maculidorsana** CLEMENS, Proc. Ent. Soc. Phil., iii, 516, 1864; ROBINSON, Trans. Am. Ent. Soc., ii, 281, 1869.

e. **inana** ROBINSON, Trans. Am. Ent. Soc., ii, 281, 1869.

f. **albistriana** WOOD, Ind. Ent., 1069, 1854.

g. **ptychogrammos** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 213, 1875.

h. **hudsoniana** WALKER, Cat. Brit. Mus., xxviii, 290, 1863.

i. **caliginosana** WALKER, Cat. Brit. Mus., xxviii, 309, 1863.

*5310. **pulverosana** WALKER, Cat. Brit. Mus., xxviii. 291, 1863; WALSINGHAM, Ill. Lep. Het., iv, 3, 1879. — Hudson Bay.

syn. *implexana* WALKER, Cat. Brit. Mus., xxviii, 338, 1863.

5311. **maccana** TREITSCHKE, Schm. Eur., suppl., x, 3, 133, 1835; HERRICH-SCHAEFFER, Schm. Eur., iv, 149, 1849; WILKINSON, Brit. Tort., 171, 1859; HEINEMANN, Kleinschm., i, 1, 16, 1863. — Eur., Me., Oreg.

syn. *erebana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 146, 1845.

5312. **logiana** SCHIFFERMÜLLER, Syst. Verz. Wien, 130, 1776; HÜBNER, Schm. Eur., Tort., f. 64, 1800; HERRICH-SCHAEFFER, Schm. Eur., iv, 143, 1849. — Eur., Mass., N. Y., Pa.

syn. *tristana* HÜBNER, Schm. Eur., Tort., f. 50, 1800; HERRICH-SCHAEFFER, Schm. Eur., iv, 142, 1849; WILKINSON, Brit. Tort., 167, 1859; HEINEMANN, Kleinschm., i, 1, 17, 1863; *trigonana* STEPHENS, Ill. Brit. Ent., Haust., iv, 1834.

a. **viburnana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 347, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 281, 1869.

b. **famula** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 214, 1875.

*5313. **permutana** DUPONCHEL, Hist. Nat. Lép. Fr., ix, 449, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 141, 1849; WILKINSON, Br. Tort., 174, 1859; HEINEMANN, Kleinschm., i, 1, 19, 1863. — Eur., Me., Ill., Cal.

*5314. **nivisellana** WALSINGHAM, Ill. Lep. Het., iv, 2, 1879. — Me., N. Y., Cal., Oreg.

5315. **schalleriana** LINNÆUS, Faun. Suec., no. 1339, 1761; HAWORTH, Lep. Brit., no. 73, 1811; HÜBNER, Eur. Schm., Tort., ff. 288, 289, 1823; TREITSCHKE, Schm. Eur., viii, 265, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 152, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 144, 1849; WILKINSON, Brit. Tort., 165, 1859; HEINEMANN, Kleinschm., i, 1, 19, 1863. — Eur., Me.

syn. *latifasciana* HAWORTH, Lep. Br., no. 65, 1811; STEPHENS, Ill. Brit. Ent., Haust., iv, 159, 1834; *erutana* HERRICH-SCHAEFFER, Schm. Eur., iv, 143, 1849.

5316. **ferrugana** SCHIFFERMÜLLER, Syst. Verz. Wien, 128, 1776; TREITSCHKE, Schm. Eur., viii, 263, 1830; HEINEMANN, Kleinschm., i, 1, 25, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 212, 1875. — Eur., Atl. States.

syn. *gallicolana* CLEMENS, Proc. Ent. Soc. Phil., iii, 516, 1864; *semiannula* ROBINSON, Trans. Am. Ent. Soc., ii, 282, 1869.

5317. **simpliciana** WALSINGHAM, Ill. Lep. Het., iv, 2, 1879. — N. H., Oreg.

*5318. **oxycoccana** PACKARD, Guide Stud. Ins., 334, 1869. — Me., Mass.

5319. **minuta** ROBINSON, Trans. Am. Ent. Soc., ii, 276, 1869. — So. Atl. States.

syn. *malivorana* LE BARON, Rept. Ins. Ill., i, 16, 1870; *vaccinivorana* PACKARD, New or Little Known Insects, 1870; Rept. Agr. Mass., 241, 1870; *variolana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 212, 1875.

a. **cinderella** RILEY, Rept. Ins. Mo., iv, 46, 1872.

5320. **foliana** WALSINGHAM, Ill. Lep. Het., iv, 3, 1879; — Cal., Col., Ariz.

DYAR, Proc. U. S. Nat. Mus., xxv, 399, 1902.

*5321. **fishiana** FERNALD, Trans. Am. Ent. Soc., x, 66, 1882. — Me.

*5322. **chalybeana** FERNALD, Trans. Am. Ent. Soc., x, 65, 1882. — Me., N. Y.

5323. **cervinana** FERNALD, Trans. Am. Ent. Soc., x, 65, 1882. — Mass., Ga.

5324. **americana** FERNALD, Trans. Am. Ent. Soc., x, 66, 1882. — Mass., Cal.

*5325. **angusana** FERNALD, Can. Ent., xxiv, 178, 1892. — Me.

*5326. **comandrana** FERNALD, Can. Ent., xxiv, 121, 1892. — Mass., Pa., Tex.

5327. **variana** FERNALD, Rept. U. S. Ent. Com., v, 847, 1890. — Me.

SYNNOMA Walsingham.

WALSINGHAM, Ill. Lep. Het., iv, 24, 1879.

*5328. **lynosyrana** WALSINGHAM, Ill. Lep. Het., iv, 24, 1879. — Cal.

EPAGOGE Hübner.

HÜBNER, Verz. bek. Schmett., 389, 1826; MEYRICK, Handb. Brit. Lep., 527, 1895; *Dichelia* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 141, 1845; HEINEMANN, Kleinschm., i, 1, 50, 1863.

5329. **pulcherrimana** WALSINGHAM, Ill. Lep. Het., iv, 19, 1879. — Tex.

5330. **caryæ** ROBINSON, Trans. Am. Ent. Soc., ii, 270, 1869. — Pa., Ill., Tex.

5331. **sulfureana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 353, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 273, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 230, 1875. — Atl. States.

syn. *gratana* WALKER, Cat. Brit. Mus., xxviii, 359, 1863; *fulvoroseana* CLEMENS, Proc. Ent. Soc. Phil., iii, 516, 1864; *virginiana* CLEMENS, Proc. Ent. Soc. Phil., iii, 517, 1864; *gallivorana* CLEMENS, Proc. Ent. Soc. Phil., iii, 517, 1864; *gracilana* WALSINGHAM, Ill. Lep. Het., iv, 18, 1879.

a. **belfrageana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 232, 1875. — Tex.

*5332. **demissana** WALSINGHAM, Ill. Lep. Het., iv, 19, 1879. — Tex.

*5333. **californiana** WALSINGHAM, Ill. Lep. Het., iv, 21, 1879. — Cal.

5334. **tunicana** WALSINGHAM, Ill. Lep. Het., iv, 20, 1879. — Cal.

CENOPIS Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 239, 1875.

5335. **reticulatana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 353, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 272, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 233, 1875. — Atl. States.

syn. *subauratana* WALKER, Cat. Brit. Mus., xxviii, 289, 1863; *directana* WALKER, Cat. Brit. Mus., xxviii, 309, 1863.

a. **mesospila** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 233, 1875.

5336. **pettitana** ROBINSON, Trans. Am. Ent. Soc., ii, 269, 1369; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 240, 1875. — Atl. States.

5337. **diluticostana** WALSINGHAM, Ill. Lep. Het., iv, 18, 1879. — Atl. States.

syn. *quercana* FERNALD, Trans. Am. Ent. Soc., x, 69, 1882.

*5338. **niveana** WALSINGHAM, Ill. Lep. Het., iv, 19, 1879. — Can.

*5339. **groteana** FERNALD, Trans. Am. Ent. Soc., x, 69, 1882. — Ohio.

5340. **testulana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 241, 1875. — Tex.

*5341. **cana** ROBINSON, Trans. Am. Ent. Soc., ii, 276, 1869. — N. Y., Pa.

CAPUA Stephens.

STEPHENS, Ill. Brit. Ent., Haust., iv, 171, 1834; WESTWOOD, Intr. Class. Ins., i, 109, 1839; WILKINSON, Brit. Tort., 112, 1859; MEYRICK, Handb. Brit. Lep., 527, 1895.

5342. **furcatana** WALKER, Cat. Brit. Mus., xxviii, 319, 1863; ROBINSON, Trans. Am. Ent. Soc., ii, 270, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 232, 1875; WALSINGHAM, Ill. Lep. Het., iv, 21, 1879. — N. Y., Pa., Ohio.

5343. **lentiginosana** WALSINGHAM, Ill. Lep. Het., iv, 22, 1879. — Tex.

CŒLOSTATHMA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 355, 1860.

5344. **discopunctana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 355, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 276, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 234, 1875. — Atl. States.

SPARGANOTHIS Hübner.

HÜBNER, Verz. bek. Schmett., 386, 1826; MEYRICK, Handb. Brit. Lep., 528, 1895; *Œnectra* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 142, 1845; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 228, 1885.

5345. **pilleriana** SCHIFFERMÜLLER, Syst. Verz. Wien, 126, 1776; FABRICIUS, Mant. Ins., ii, 227, 1877; Ent. Syst., iii, 2, 251, 1794; HÜBNER, Schm. Eur., Tort., f. 172, 1800; TREITSCHKE, Schm. Eur., viii, 83, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 91, 1834; GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 142, 1845; DUPONCHEL, Cat. Méth., 1845; HERRICH-SCHAEFFER, Schm. Eur., iv, 162, 1849; WILKINSON, Brit. Tort., 40, 1859; HEINEMANN, Kleinschm., i, 1, 50, 1863. — Eur., Tex., Cal.

syn. *vitana* FABRICIUS, Ent. Syst., iii, 2, 249, 1794; *luteolana* HÜBNER, Eur. Schmett., Tort., f. 136, 1800.

5346. **rudana** WALSINGHAM, Ill. Lep. Het., iv, 16, 1879. — Cal., Oreg.

5347. **senecionana** WALSINGHAM, Ill. Lep. Het., iv, 17, 1879. — Cal., Oreg.

5348. **puritana** ROBINSON, Trans. Amer. Ent. Soc., ii, 271, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 229, 1875. — No. Atl. States.

syn. *unifasciana* CLEMENS (not DUPONCHEL), Proc. Ent. Soc. Phil., iii, 516, 1864.

5349. **xanthoides** WALKER, Cat. Brit. Mus., xxvii, 190, 1863; xxviii, 290, 1863; WALSINGHAM, Ill. Lep. Het., iv, 20, 1879. — Atl. States, B. C.

syn. *breviornatana* CLEMENS, Proc. Ent. Soc. Phil., v, 140, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 269, 1869.

5350. **irrorea** ROBINSON, Trans. Am. Ent. Soc., ii, 274, 1869. — Me., Mass., N. Y., Col.

5351. **inconditana** WALSINGHAM Ill. Lep. Het., iv, 16, 1879. — Cal., Oreg.

5352. **violaceana** ROBINSON, Trans. Am. Ent. Soc., ii, 271, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 229, 1875. — Me., Mass., N. Y., Wis.

*5353. **flavibasana** FERNALD, Trans. Am. Ent. Soc., x, 69, 1882. — Tex., Ill.

5354. **distincta** WALSINGHAM, Trans. Ent. Soc. Lond., 126, 1884. — Ariz.

*5355. **striata** WALSINGHAM, Trans. Ent. Soc. Lond., 126, 1884. — Mont.

ARCHIPS Hübner.

HÜBNER, Tent., 2, 1806; WALSINGHAM, Proc. Zool. Soc. Lond., 133, 1897; *Cacœcia* HÜBNER, Verz. bek. Schmett., 388, 1826; HEINEMANN, Kleinschm., i, 1, 32, 1863.

5356. **rosaceana** HARRIS, Inj. Ins., 1st ed., 348, 1841; 3d ed., 481, 1862; FITCH, Rep. Ins. N. Y., iii, 28, 1859; CLEMENS, Proc. Acad. Nat. Sci. Phil., 347, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 262, 1869; PACKARD, Guide Stud. Ins., 335, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 215, 1875. — No. U. S., Col.

syn. *vicariana* WALKER, Cat. Brit. Mus., xxviii, 287, 1863; *gossypiana* PACKARD, Guide Stud. Ins., 335, 1869; *arcticana* MÖSCHLER, Stett. ent. Zeit., xxxv, 164, 1874.

5357. **purpurana** CLEMENS, Proc. Ent. Soc. Phil., 136, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 263, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 215, 1875. — No. Atl. States.

syn. *gurgitana* ROBINSON, Trans. Am. Ent. Soc., ii, 263, 1869; *lintneriana* GROTE, Trans. Am. Ent. Soc., iv, 424, 1873.

5358. **infumatana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 216, 1875. — Wis., Mo.

5359. **rosana** LINNÆUS, Syst. Nat., x, 530, 1758; HAWORTH, Lep. Brit., no. 96, 1811; GEYER, Schm. Eur., Tort., f. 302, 1830; WILKINSON, Brit. Tort., 63, 1859; HEINEMANN, Kleinschm., i, 1, 34, 1863. — Eur., N. Y.

syn. *ameriana* LINNÆUS, Syst. Nat., x, 531, 1758; FABRICIUS, Syst. Ent., 647, 1775; *lævigana* SCHIFFERMÜLLER, Syst. Verz. Wien, 129, 1776; FABRICIUS, Ent. Syst., 253, 1793; TREITSCHKE, Schm. Eur., viii, 62, 1830; STEPHENS, Ill. Brit. Ent., Haust., iv, 74, 1834; FISCHER v. RÖSLERSTAMM, Ber. Schm., 17, 1838; HERRICH-SCHAEFFER, Schm. Eur., iv, 159, 1849; *variana* FABRICIUS, Mant. Ins., ii, 231, 1787; *oxyacanthana* HÜBNER, Schm. Eur., Tort., f. 117, 1800; HAWORTH, Lep. Brit., no. 97, 1811; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 74, 1834; *acerana* HÜBNER, Schm. Eur., Tort., f. 118, 1800; FRÖLICH, En. Tort. Würt., 31, 1828; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 76, 1834; *branderiana* HAWORTH, Lep. Brit., no. 94, 1811; *fuscana* HAWORTH, Lep. Brit., no. 95, 1811; *nebulana* STEPHENS, Ill. Brit. Ent., Haust., iv, 74, 1834.

5360. **cerasivorana** FITCH, N. Y. Agr. Rep., 382, 1856; ROBINSON, Trans. Am. Ent. Soc., ii, 275, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 217, 1875. — No. U. S., Cal.

5361. **rileyana** GROTE, Trans. Am. Ent. Soc., ii, 121, 1868; ROBINSON, Trans. Am. Ent. Soc., ii, 271, 1869; RILEY, Rep. Ins. Mo., i, 153, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 221, 1875. — Ga., Tex., Mo.

syn. *ferridana* WALKER (not CLEMENS), Cat. Brit. Mus., xxviii, 313, 1863.

5362. **parallela** ROBINSON, Trans. Am. Ent. Soc., ii, 267, 1869. — Me. to Ill.

5363. **zapulata** ROBINSON, Trans. Am. Ent. Soc., ii, 264, 1869. — Ill., Mo.

5364. **obsoletana** WALKER, Cat. Brit. Mus., xxviii, 288, 1863; WALSINGHAM, Ill. Lep. Het., iv, 11, 1879. — Atl. States.

syn. *transiturana* WALKER, Cat. Brit. Mus., xxviii, 312, 1863; WALSINGHAM, Ill. Lep. Het., iv, 8, 1879; *vesperana* CLEMENS, Proc. Ent. Soc. Phil., v, 136, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 266, 1869; *sanbornana* ROBINSON, Trans. Am. Ent. Soc., ii, 265, 1869.

5365. **argyrospila** WALKER. Cat. Brit. Mus., xxviii, 373, 1863; WALSINGHAM, Ill. Lep. Het., iv, 8, 1873. — No. U. S., Cal., Col.

syn. *farrana* ROBINSON, Trans. Am. Ent. Soc., ii, 265, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 13, 1875; *v-signatana* PACKARD, Rept. Agr. Mass., 238, 1870.

a. vividana DYAR, Proc. Ent. Soc. Wash., v, 78, 1902; Proc. U. S. Nat. Mus., xxv, 400, 1902.

5366. **semiferana** WALKER, Cat. Brit. Mus., xxviii, 336, 1863; WALSINGHAM, Ill. Lep. Het., iv, 7, 1879. — Atl. States, Col.

syn. *flaccidana* ROBINSON, Trans. Am. Ent. Soc., ii, 277, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 13, 1875.

5367. **negundana** DYAR, Proc. Ent. Soc. Wash., v, 78, 1902; Proc. U. S. Nat. Mus., xxv, 401, 1902. — Atl. States, Col.

5368. **fervidana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 347, 1860. — Mass., N. Y., Pa.

syn. *paludana* ROBINSON, Trans. Am. Ent. Soc., ii, 275, 1869.

*5369. **magnoliana** FERNALD, Can. Ent., xxiv, 121, 1892. — N. Y.

5370. **georgiana** WALKER, Cat. Brit. Mus., xxviii, 372, 1863; GROTE, Bull. Buff. Soc., i, 15, 1873; WALSINGHAM, Ill. Lep. Het., iv, 9, 1879. — So. Atl. States, Brazil.?

5371. **fractivittana** CLEMENS, Proc. Ent. Soc. Phil., v, 136, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 265, 1869. — So. Atl. States.

syn. *fumosa* ROBINSON, Trans. Am. Ent. Soc., ii, 268, 1869.

5372. **grisea** ROBINSON, Trans. Am. Ent. Soc., ii, 268, 1869. — Tex., Ohio, Mo.

5373. **afflictana** WALKER, Cat. Brit. Mus., xxviii, 337, 1863; WALSINGHAM, Ill. Lep. Het., iv, 14, 1879. — No. U. S., Cal.

syn. *fuscolineana* CLEMENS, Proc. Ent. Soc. Phil., v, 137, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 266, 1869.

5374. **musculana** HÜBNER, Schm. Eur., Tort., f. 98, 1800; FRÖLICH, En. Tort. Würt., 34, 1828; TREITSCHKE, Schm. Eur., viii, 175, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 381, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 168, 1849; WILKINSON, Brit. Tort., 56, 1859; HEINEMANN, Kleinschm., i, 1, 39, 1863. — Eur., Oreg.

syn. *trifasciana* HAWORTH, Lep. Brit., no. 100, 1811.

5375. **virescana** CLEMENS, Proc. Ent. Soc. Phil., v, 140, 1865. — Me. to Cal., Ariz.

syn. *sescuplana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 220, 1875.

*5376. **glaucana** WALSINGHAM, Ill. Lep. Het., iv, 13, 1879. — So. Oreg.

5377. **clemensiana** FERNALD, Can. Ent., xi, 155, 1879. — Me., Mass., N. Y., Wis.

*5378. **retiniana** WALSINGHAM, Ill. Lep. Het., iv, 12, 1879 — Cal.

5379. **persicana** FITCH, N. Y. Agr. Rept., 357, 1856. — No. Atl. States.

syn. *blandana* CLEMENS, Proc. Ent. Soc. Phil., iii, 515, 1864; *fragariana* PACKARD, Guide Stud. Ins. 335, 1869; *conigerana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 227, 1875.

5380. **melaleucana** WALKER, Cat. Brit. Mus., xxviii, 335, 1863; ROBINSON, Trans. Am. Ent. Soc., ii, 271, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 223, 1875; WALSINGHAM, Ill. Lep. Het., iv, 10, 1879. — No. Atl. States.

syn. *invexana* WALKER, Cat. Brit. Mus., xxviii, 358, 1863; *semifuscana* CLEMENS, Proc. Ent. Soc. Phil., iii, 519, 1864.

*5381. **dissitana** GROTE, No. Am. Ent., i, 29, 1879. — Me. to Ohio.

PLATYNOTA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 347, 1860; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 235, 1875.

5382. **flavedana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 348, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 278, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 236, 1875. — Atl. States.

syn. *concursana* WALKER, Cat. Brit. Mus., xxviii, 324, 1863; *laterana* ROBINSON, Trans. Am. Ent. Soc., ii, 278, 1869.

5383. **rostrana** WALKER, Cat. Brit. Mus., xxviii, 290, 1863; WALSINGHAM, Ill. Lep. Het., iv, 5, 1879. — Fla., Santo Dom., Venezuela.

syn. *restitutana* WALKER, Cat. Brit. Mus., xxviii, 292, 1863; *connexana* WALKER, Cat. Brit. Mus., xxviii, 293, 1863.

*5384. **tinctana** WALKER, Cat. Brit. Mus., xxviii, 289, 1863. — Tex.

5385. **labiosana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 237, 1875; DYAR, Proc. U. S. Nat. Mus., xxv, 402, 1902. — Tex., Col.

5386. **exasperatana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 238, 1875. — Me., N. Y., Tex.

*5387. **sentana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 348, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 277, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 235, 1875. — Me. to Tex.

*5388. **metallicana** WALSINGHAM, Trans. Ent. Soc. Lond., 497, 1895. — Fla.

*5389. **nigrocervina** WALSINGHAM, Trans. Ent. Soc. Lond., 495, 1895. — Col.

*5390. **semiustana** WALSINGHAM, Trans. Ent. Soc. Lond., 128, 1884. — N. C.

PANDEMIS Hübner.

HÜBNER, Verz. bek. Schmett., 388, 1826; HEINEMANN, Kleinschm., i, 1, 35, 1863; MEYRICK, Handb. Brit. Lep., 533, 1895.

5391. **limitata** ROBINSON, Trans. Am. Ent. Soc., ii, 264, 1869. — Pa., Mo.

*5392. **lamprosana** ROBINSON, Trans. Am. Ent. Soc., ii, 264, 1869. — Atl. States.

*5393. **albaniana** WALKER, Cat. Brit. Mus., xxviii, 288, 1863; WALSINGHAM, Ill. Lep. Het., iv, 11, 1879. — Hudson Bay, Cal.

TORTRIX Linnæus.

LINNÆUS, Syst. Nat., x, 1, 530, 1758; MEYRICK, Handb. Brit. Lep., 534, 1895.

5394. **alleniana** FERNALD, Trans. Am. Ent. Soc., x, 68, 1882. — Me.

5395. **citrana** FERNALD, Ent. Amer., v, 18, 1889; Bull. no. 18, n. ser., U. S. Dept. Agr., 99, 1898. — Cal.

5396. **pallorana** ROBINSON, Trans. Am. Ent. Soc., ii, 266, 1869. — Atl. States, Mont.

*5397. **lata** ROBINSON, Trans. Am. Ent. Soc., ii, 266, 1869. — Mass., Pa., Ill.

*5398. **houstonana** GROTE, Bull. Buff. Soc., i, 18, 1873. — Tex.
syn. *retana* WALSINGHAM, Ill. Lep. Het., iv, 13, 1879.

5399. **quercifoliana** FITCH, N. Y. Agr. Rep., 826, 1858. — N. Y., Tex.
syn. *trifurculana* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 226, 1875.

5400. **albicomana** CLEMENS, Proc. Ent. Soc. Phil., v, 137, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 273, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 227, 1875. — Atl. States.

5401. **bergmanniana** LINNÆUS, Syst. Nat., x, 531, 1758; SCHIFFERMÜLLER, Syst. Verz. Wien, 126, 1776; FABRICIUS, Ent. Syst., iii, 273, 1793; FRÖLICH, En. Tort. Würt., 76, 1828; TREITSCHKE, Schm. Eur., viii, 121, 1830; GEYER, Schm. Eur., Tort., f. 340, 1834; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 114, 1834; STEPHENS, Ill. Brit. Ent., Haust., iv, 173, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 170, 1849; WILKINSON, Brit. Tort., 153, 1859; HEINEMANN, Kleinschm., i, 1, 48, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxiv, 11, 1874. — Eur., Vanc. Id.

syn. *rosana* HÜBNER, Schm. Eur., Tort., f. 137, 1800.

5402. **peritana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 356, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 277, 1869. — Atl. States.

syn. *inconclusana* WALKER, Cat. Brit. Mus., xxviii, 318, 1863.

*5403. **franciscana** WALSINGHAM, Ill. Lep. Het., iv, 13, 1879. — Cal.

*5404. **fucana** WALSINGHAM, Ill. Lep. Het., iv, 12, 1879. — Oreg.

5405. **ivana** FERNALD, Jn. N. Y. Ent. Soc., ix, 51, 1901. — Fla.

*5405. 1. **semicirculana** FERNALD, Trans. Am. Ent. Soc., x, 68, 1882. — Col.

5406. **fumiferana** CLEMENS, Proc. Ent. Soc. Phil., v, 139, 1865. — No. U. S.

syn. *nigridia* ROBINSON, Trans. Am. Ent. Soc., ii, 268, 1869.

5407. **packardiana** FERNALD, Rept. U. S. Ent. Com., v, 849, 1890; Bull. no. 12, U. S. Dept. Agr., 20, 1886. — Me.

5408. **conflictana** WALKER, Cat. Brit. Mus., xxviii, 323, 1863; WALSINGHAM, Ill. Lep. Het., iv, 10, 1879. — No. Atl. States.

5409. **osseana** SCOPOLI, Ent. Carn., 238, 1763; HEINEMANN, Kleinschm., i, 1, 54, 1863. — Eur., Lab., Alaska.

syn. *quadripunctana* HAWORTH, Lep. Brit., no. 237, 1811; *pratana* HÜBNER, Schm. Eur., Tort., ff. 227, 228, 1818; FRÖLICH, En. Tort. Würt., 67, 1828; TREITSCHKE, Schm. Eur., viii, 101, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 446, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 178, 1849; WILKINSON, Br. Tort., 257, 1859; *boreana* ZETTERSTEDT, Ins. Lap., 980, 1840.

*5410. **niveosana** PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 55, 1866. — Lab.

5411. **argentana** CLERCK, Icon., pl. 11, f. 14, 1759; SCHIFFERMÜLLER, Syst. Verz. Wien, 127, 1776; HÜBNER, Schm. Eur., Tort., f. 86, 1800. — Eur., Cal., Nev., Alaska.

syn. *goliana* LINNÆUS, Faun. Suec., 349, 1761; *gonana* LINNÆUS, Syst. Nat., xii, 879, 1767; FABRICIUS, Sp. Ins., 283, 1781; FRÖLICH, En. Tort. Würt., 67, 1828; TREITSCHKE, Schm. Eur., viii, 102, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 444, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 177, 1849; HEINEMANN, Kleinschm., i, 1, 54, 1863; *gorana* FABRICIUS, Syst. Ent., 651, 1775; *magnana* HÜBNER, Schm. Eur., Tort., ff. 225, 226, 1818; *margaratalis* HÜBNER, Schm. Eur., Pyr., f. 48, 1796; *georgiella* HULST, Ent. Am., iii, 136, 1887.

*5412. **basiplagana** WALSINGHAM, Ill. Lep. Het., iv, 23, 1879. — Tex.

5413. **trigonana** WALSINGHAM, Ill. Lep. Het., iv, 22, 1879. — Cal.

5414. **horariana** WALSINGHAM, Ill. Lep. Het., iv, 22, 1879. — Oreg.

5415. **möschleriana** WOCKE, Stett. ent. Zeit., 45, 1862. — Lab., White Mts., Alaska.

syn. *algidana* MÖSCHLER, Wien. ent. Mon., vi, 138, 1862; ROBINSON, Trans. Am. Ent. Soc., ii, 272, 1869; PACKARD, Guide Stud. Ins., 334, 1869.

*5416. **arizonana** WALSINGHAM, Trans. Ent. Soc. Lond., 124, 1884. — Ariz.

*5417. **indivisana** WALKER, Cat. Brit. Mus., xxviii, 344, 985, 1863. — Hudson Bay.

EULIA Hübner.

HÜBNER, Verz. bek. Schmett., 392, 1826; *Lophoderus* STEPHENS, Cat. Brit. Ins., ii, 184, 1829; Ill. Brit. Ent., Haust., iv, 143, 1834; WESTWOOD, Class. Ins., i, 108, 1839; HEINEMANN, Kleinschm., i, 1, 41, 1863.

5418. **ministrana** LINNÆUS, Syst. Nat., x, 531, 1758; SCHIFFERMÜLLER, Syst. Verz. Wien, 128, 1776; HAWORTH, Lep. Brit., no. 10, 1811; FRÖLICH, En. Tort. Würt., 42, 1828; TREITSCHKE, Schm. Eur., viii, 89, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 96, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 175, 1849; WILKINSON, Brit. Tort., 17, 1859; HEINEMANN, Kleinschm., i, 1, 43, 1863. — No. Atl. States., Eur.

syn. *ferrugana* HÜBNER, Eur. Schmett., Tort., f. 56, 1800; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 478, 1834; *subfascianus* STEPHENS, Ill. Brit. Ent., Haust., iv, 144, 1834.

5419. **quadrifasciana** FERNALD, Trans. Am. Ent. Soc., x, 67, 1882. — No. Atl. States.

*5420. **juglandana** FERNALD, Can. Ent., xi, 155, 1879. — Mass. to Minn.

5421. **triferana** WALKER, Cat. Brit. Mus., xxviii, 314, 1863; WALSINGHAM, Ill. Lep. Het., iv, 15, 1879. — Atl. States.

syn. *incertana* CLEMENS, Proc. Ent. Soc. Phil., v, 138, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 278, 1869.

5422. **amatana** DYAR, Jn. N. Y. Ent. Soc., ix, 24, 1901. — Fla.

5423. **politana** HAWORTH, Lep. Brit., no. 229, 1811; WILKINSON, Brit. Tort., 271, 1859; HEINEMANN, Kleinschm., i, 1, 41, 1863; FERNALD, Rept. U. S. Dept. Agr., 1880, 264, 1881. — Eur., No. Atl. States.

syn. *sylvana* TREITSCHKE, Schm. Eur., viii, 109, 1830; FISCHER v. RÖSLERSTAMM, Ber. Schm., 40, 1838; HERRICH-SCHAEFFER, Schm. Eur., iv, 162, 1849; *pulchellana* STEPHENS, Ill. Brit. Ent., Haust., iv, 135, 1834.

5424. **velutinana** WALKER, Cat. Brit. Mus., xxviii, 313, 1863. — Atl. States.

syn. *lutosana* CLEMENS, Proc. Ent. Soc. Phil., v, 138, 1865; ROBINSON, Trans. Am. Ent. Soc., ii, 279, 1869.

*5425. **gloverana** WALSINGHAM, Ill. Lep. Het., iv, 14, 1879. — N. Y., Cal.

5426. **coloradana** FERNALD, Trans. Am. Ent. Soc., x, 67, 1882. — Col.

*5427. **mariana** FERNALD, Trans. Am. Ent. Soc., x, 67, 1882. — Fla.

5428. **alisellana** ROBINSON, Trans. Am. Ent. Soc., ii, 267, 1869. — Ohio.

AMORBIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 352, 1860; *Hendecastema* WALSINGHAM, Ill. Lep. Het., iv, 4, 1879.

5429. **humerosana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 352, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 275, 1869. — No. Atl. States.

5430. **cuneana** WALSINGHAM, Ill. Lep. Het., iv, 4, 1879. — Cal.

a. **abumbrana** WALSINGHAM, Ill. Lep. Het., iv, 5, 1879.

Subfamily PHALONIINÆ.

PHALONIA Hübner.

HÜBNER, Verz. bek. Schmett., 393, 1826; MEYRICK, Handb. Brit. Lep., 545, 1895; *Cochylis* TREITSCHKE, Schm. Eur., vii, 233, 1829; viii, 272, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 23, 1834; STEPHENS, Ill. Brit. Ent., Haust., iv, 185, 1834; *Conchylis* SODOFFSKY, Bull. Imp. Soc. Mosc. (Sep.), 20, 1837; LEDERER, Wien. ent. Mon., iii, 273, 1859; HEINEMANN, Kleinschm., i, 1, 68, 1863.

*5431. **floccosana** WALKER, Cat. Brit. Mus., xxviii, 358, 1863; WALSINGHAM, Ill. Lep. Het., iv, 27, 1879. — Nova Scotia, Pa.

syn. *confusana* ROBINSON, Trans. Am. Ent. Soc., ii, 274, 1869.

*5432. **vitellinana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 243, 1875. — Me., N. H., Mass.

*5433. **straminoides** GROTE, Bull. Buff. Soc., i, 16, 1873. — N. Y.

*5434. **scissana** WALKER, Cat. Brit. Mus., xxviii, 360, 1863; WALSINGHAM, Ill. Lep. Het., iv, 28, 1879. — Nova Scotia.

5435. **smeathmanniana** FABRICIUS, Sp. Ins., 278, 1781; FRÖLICH, En. Tort. Würt., 39, 1828; TREITSCHKE, Schm. Eur., viii, 274, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 413, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 185, 1851; WILKINSON, Brit. Tort., 313, 1859; HEINEMANN, Kleinschm., i, 1, 80, 1863. — Eur., Me., Cal.

syn. *fabriciana* HÜBNER, Schm. Eur., Tort., f. 149, 1800; HAWORTH, Lep. Brit., 401, 1811; *stachydana* HERRICH-SCHAEFFER, Schm. Eur., iv, 185, 1851.

5436. **kindermanniana** TREITSCHKE, Schm. Eur., viii, 276, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 415, 1834; F. v. RÖSLERSTAMM, Ber. Schm., 18, 1838; HERRICH-SCHAEFFER, Schm. Eur., 184, 1851; HEINEMANN, Kleinschm., i, 1, 80, 1863. — Eur., Cal.

5437. **deutschiana** ZETTERSTEDT, Ins. Lap., 981, 1840; WOCKE, Stett. ent. Zeit., 48, 1862; 204, 1864. — Eur., Lab.

syn. *lutulentana* HERRICH-SCHAEFFER, Neu. Schm., p. 5, f. 35, 1856; LAHARPE, Tort., 40, 1857; *fuscostrigana* CLEMENS, Proc. Ent. Soc. Phil., ii, 417, 1864; *chalcana* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 56, 1866.

*5438. **felix** WALSINGHAM, Trans. Ent. Soc. Lond., 498, 1895. — Col.

5439. **rutilana** HÜBNER, Schm. Eur., Tort., f. 249, 1818; FRÖLICH, En. Tort. Würt., 74, 1828; HERRICH-SCHAEFFER, Schm. Eur., iv, 182, 1851; WILKINSON, Brit. Tort., 318, 1859; HEINEMANN, Kleinschm., i, 1, 78, 1863; RILEY, Rep. U. S. Dept. Agr., 1878, 247, 1879. — Eur., Me., N. Y.

5440. **dorsimaculana** ROBINSON, Trans. Am. Ent. Soc., ii, 285, 1869. — Pa., Tex.
syn. *angustana* CLEMENS (not HÜBNER). Proc. Acad. Nat. Sci. Phil., 354, 1860.

*5441. **promptana** ROBINSON, Trans. Am. Ent. Soc., ii, 286, 1869. — Pa., Tex.

*5442. **fernaldana** WALSINGHAM, Ill. Lep. Het., iv, 27, 1879. — Cal., Oreg.

*5443. **seriatana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 244, 1875. — Tex.

*5444. **intactana** WALSINGHAM, Ill. Lep. Het., iv, 27, 1879. — Cal.

*5445. **angulatana** ROBINSON, Trans. Am. Ent. Soc., ii, 286, 1869. — Pa. to Tex.

5446. **argentilimitana** ROBINSON, Trans. Am. Ent. Soc., ii, 287, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 242, 1875. — Mass., Pa., Tex.

*5447. **parallelana** WALSINGHAM, Ill. Lep. Het., iv, 28, 1879. — Cal.

*5448. **transversana** WALSINGHAM, Ill. Lep. Het., iv, 28, 1879. — Cal.

*5449. **labeculana** ROBINSON, Trans. Am. Ent. Soc., ii, 287, 1869. — Pa.

*5450. **lepidana** CLEMENS, Proc. Acad. Nat. Sci. Phil., 355, 1860; ROBINSON, Trans. Am. Ent. Soc., ii, 287, 1869. — Pa.

*5451. **interruptofasciata** ROBINSON, Trans. Am. Ent. Soc., ii, 287, 1869. — Pa.

5452. **bunteana** ROBINSON, Trans. Am. Ent. Soc., ii, 288, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 245, 1875. — Atl. States.

5453. **œnotherana** RILEY, Trans. St. Louis Acad. Sci., iv, 316, 1881. — Atl. States.

5454. **erigeronana** RILEY, Trans. St. Louis Acad. Sci., iv, 316, 1881. — Tex.

*5455. **hospes** WALSINGHAM, Trans. Ent. Soc. Lond., 131, 1884. — N. C.

*5456. **latipunctana** WALSINGHAM, Ill. Lep. Het., iv 29, 1879. — Cal.

*5457. **dilutana** WALSINGHAM, Ill. Lep. Het., iv, 29, 1879. — Oreg.

*5458. **nana** HAWORTH, Lep. Brit., 439, 1811; STEPHENS, Ill. Brit. Ent., Haust., iv, 182, 1834. — Eur., Nova Scotia.
syn. *carneana* GUENÉE, Ann. Soc. Ent. Fr., (2), iii, 298, 1845; *ochreoalbana* WALKER, Cat. Brit. Mus., xxviii, 375, 1863.

*5459. **campicolana** WALSINGHAM, Ill. Lep. Het., iv, 29, 1879. — Cal.

*5460. **parvimaculana** WALSINGHAM, Ill. Lep. Het., iv, 30, 1879. — Oreg.

*5461. **glaucofuscana** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 245, 1875. — Tex.

5462. **dubitana** HÜBNER, Schm. Eur., Tort., f. 82, 1800; FRÖLICH, En. Tort. Würt., 52, 1828; TREITSCHKE, Schm. Eur., viii, 283, 1830; DUPONCHEL, Hist. Nat. Lép. Fr., ix, 420, 1834; STEPHENS, Ill. Brit. Ent., Haust., iv, 183, 1834; HERRICH-SCHAEFFER, Schm. Eur., iv, 192, 1851; WILKINSON, Brit. Tort., 298, 1859; HEINEMANN, Kleinschm., i, 1, 90, 1863. — Eur., Nova Scotia.

syn. *albidana* WALKER, Cat. Brit. Mus., xxxv, 1807, 1866.

5463. **comes** WALSINGHAM, Trans. Ent. Soc. Lond., 129, 1884. — Ariz.

*5464. **dorsistriatana** WALSINGHAM, Trans. Ent. Soc. Lond., 132, 1884. — Ariz.

*5465. **edwardsiana** WALSINGHAM, Trans. Ent. Soc. Lond., 128, 1884. — Ariz.

*5466. **fulvotinctana** WALSINGHAM, Trans. Ent. Soc. Lond., 132, 1884. — Ariz.

COMMOPHILA Hübner.

HÜBNER, Verz. bek. Schmett., 392, 1826; MEYRICK, Handb. Brit. Lep., 555, 1895; *Phtheochroa* STEPHENS, Cat. Brit. Ins., ii, 191, 1829; Ill. Brit. Ent., Haust., iv, 184, 1834; LEDERER, Wien. ent. Mon., iii, 279, 1859; WILKINSON, Brit. Tort., 280, 1859; HEINEMANN, Kleinschm., i, 1, 90, 1863.

5467. **macrocarpana** WALSINGHAM, Trans. Ent. Soc. Lond., 499, 1895. — Cal.

*5468. **saxicolana** WALSINGHAM, Ill. Lep. Het., iv, 29, 1879. — Oreg.

PSEUDOCONCHYLIS Walsingham.

WALSINGHAM, Trans. Ent. Soc. Lond., 133, 1884.

5469. **laticapitana** WALSINGHAM, Trans. Ent. Soc. Lond., 133, 1884. — Cal.

PHARMACIS Hübner.

HÜBNER, Zutr. exot. Schmett., ii, 111, 1823.

5470. **sartana** HÜBNER, Zutr. exot. Schmett., ii, 111, 1823. — Pa. to Fla.

*5471. **bimaculana** ROBINSON, Trans. Am. Ent. Soc., ii, 285, 1869; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 243, 1875. — Tex., Mo.

HYSTEROSIA Stephens.

STEPHENS, List Brit. Mus., x, 85, 1852; WALSINGHAM, Trans. Ent. Soc. Lond., 498, 1895; *Idiographis* LEDERER, Wien. ent. Mon., iii, 242, 1859.

5472. **inopiana** HAWORTH, Lep. Brit., 469, 1811; STEPHENS, Ill. Brit. Ent., Haust., iv, 192, 1834; WILKINSON, Brit. Tort., 100, 1859; NOLCKEN, Stett. ent. Zeit., xxx, 283, 1869. — No. U. S., Eur.

syn. *centrana* HERRICH-SCHAEFFER, Schm. Eur., iv, 205, 1851; LEDERER, Wien. ent. Mon., iii, 246, 1859; HEINEMANN, Kleinschm., i, 1, 38, 1863.

*5473. **fulviplicana** WALSINGHAM, Ill. Lep. Het., iv, 25, 1879. — Cal.

*5474. **ægrana** WALSINGHAM, Ill. Lep. Het., iv, 26, 1879. — Oreg.

*5475. **aureoalbida** WALSINGHAM, Trans. Ent. Soc. Lond., 498, 1895. — Col.

CARPOSINA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Eur. Schmett., v, 38, 1855; FERNALD, Can. Ent., xxv, 96, 1893.

*5475. 1. **crescentella** WALSINGHAM, Trans. Am. Ent. Soc., x, 189, 1882. — (Unknown.)

Family YPONOMEUTIDÆ.

(C.=DYAR, Can. Ent., xxxii, 37–41, 84–86, 1900.)

MARTYRINGA Busck.

BUSCK, Jn. N. Y. Ent. Soc., x, 96, 1902.

5476. **latipennis** WALSINGHAM, Trans. Am. Ent. Soc., x, 190, 1882; BUSCK, Jn. N. Y. Ent. Soc., x, 96, 1902. — Atl. States.

YPONOMEUTA Latreille.

LATREILLE, Gen. Crust. Ins., iv, 222, 1796; DYAR, C. 38.

5477. **multipunctella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 8, 1860; Tin. No. Am., 95, 1872; CHAMBERS, Can. Ent., iv, 42, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 228, 1873; RILEY, Proc. Am. Ass. Adv. Sci., 617, 1880; DYAR, C. 38. — Atl. States.

syn. *ordinatellus* WALKER, *euonymella* CHAMBERS, *orbimaculella* CHAMBERS, *wakarusa* GAUMER.

MIEZA Walker.

WALKER, Cat. Brit. Mus., ii, 527, 1854; DYAR, C. 39.

5478. **subfervens** WALKER, Cat. Brit. Mus., ii, 528, 1854; DYAR, C. 39. — Tex.

5479. **psammitis** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 562, 1872; DYAR, C. 39. — Tex.

5480. **igninix** WALKER, Cat. Brit. Mus., ii, 527, 1854; DYAR, C. 39. — Fla.

syn. *crassinervella* ZELLER.

ATTEVA Walker.

WALKER, Cat. Brit. Mus., ii, 526, 1854; *Œta* GROTE, Proc. Ent. Soc. Phil., v, 230, 1865; DYAR, C. 39.

5481. **aurea** FITCH, Third Rept. Ins. N. Y., 168, 1856; DYAR, C. 39. — So. States.

syn. *compta* CLEMENS.

5482. **gemmata** GROTE, Bull. Buff. Soc., i, 93, 1873; CHAPMAN, Jn. N. Y. Ent. Soc., v, 127, 1897; DYAR, C. 39. — Fla.

syn. *fastuosa* ZELLER, Hor. Soc. Ent. Ross., xiii, 225, 1877; WALSINGHAM, Proc. Zool. Soc. Lond., 113, 1897; *floridana* NEUMOEGEN.

TRICHOSTIBAS Zeller.

ZELLER, Stett. ent. Zeit., 150, 1863; DYAR, C. 39.

5483. **calligera** ZELLER, Hor. Soc. Ent. Ross., xiii, 231, 1877; DYAR, C. 40. — Fla.

syn. *parvula* HY. EDWARDS.

EUCERATIA Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 310, 1881.

5484. **securella** WALSINGHAM, Proc. Zool. Soc. Lond., 311, 1881. — Cal.

5485. **castella** WALSINGHAM, Proc. Zool. Soc. Lond., 310 1881. — Cal.

ARÆOLEPIA Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 303, 1881.

5486. **subfasciella** WALSINGHAM, Proc. Zool. Soc. Lond., 303, 1881. — Cal.

PERICLYMENOBIUS Wallengren.

WALLENGREN, Ent. Tidsk., i, 63, 1880.

5487. **frustellus** WALSINGHAM, Proc. Zool. Soc. Lond., 309, 1881. — Cal.

5488. **canariellus** WALSINGHAM, Proc. Zool. Soc. Lond., 309, 1881. — Cal.

5489. **dentiferellus** WALSINGHAM, Proc. Zool. Soc. Lond., 308, 1881. — Cal.

TRACHOMA Wallengren.

WALLENGREN, Ent. Tidsk., i, 61, 1880.

5490. **instabilella** MANN, Verh. zool.-bot. Ges. Wien, v, 351, 1866, pl. 1, f. 5; WALSINGHAM, Proc. Zool. Soc. Lond., 301, 1881. — Cal.

5491. **falciferella** WALSINGHAM, Proc. Zool. Soc. Lond., 307, 1881. — Cal.

*5492. **senex** WALSINGHAM, Ins. Life, i, 288, 1889. — Col.

CALANTICA Zeller.

ZELLER, Isis, 801, 1847.

5493. **polita** WALSINGHAM, Proc. Zool. Soc. Lond., 302, 1881. — Cal.

PTEROLONCHE Zeller.

ZELLER, Isis, 845, 1847; HERRICH-SCHAEFFER, Syst. Bearb. Schmett. Eur., v, 40, 1855.

*5494. **lineata** WALSINGHAM, Ins. Life, i, 288, 1889. — Ariz.

CEROSTOMA Latreille.

LATREILLE, Nat. Hist. Ins., iii, 416, 1802; MEYRICK, Handb. Brit. Lep., 697, 1895; DYAR, C. 41; *Plutelopteva* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 181, 1879.

5495. **sublucella** WALSINGHAM, Proc. Zool. Soc. Lond., 308, 1881. — Cal.

5496. **cervella** WALSINGHAM, Proc. Zool. Soc. Lond., 307, 1881. — Cal.

5497. **subsylvella** WALSINGHAM, Ins. Life, i, 287, 1889. — Pac. States.

5498. **aleutianella** BEUTENMÜLLER, Can. Ent., xxi, 27, 1889. — Alaska.

5499. **koebelella** DYAR, Cat. Ent., xxxii, 40, 1900. — Cal.

5500. **radiatella** DONOVAN, Nat. Hist. Brit. Ins., iii, 77, 1816; WOCKE, Cat. Lep. Eur. ii, no. 1639, 1871; WALSINGHAM, Proc. Zool. Soc. Lond., 307, 1881; Ins. Life, i, 287, 1889. — Oreg., Eur.

syn. *ochrella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 181, 1880; *variella* HÜBNER, *fissella* HÜBNER, *lutarella* HÜBNER, *byssinella* HÜBNER, *paralella* PANZER, *radiatus* HAWORTH, *fissus* HAWORTH, *quinquepunctatus* HAWORTH, *lutosus* HAWORTH, *flaviciliatus* HAWORTH, *unitella* TREITSCHKE, *fulvella* DUPONCHEL, *rufimetrellus* STEPHENS.

5501. **rubrella** DYAR, Proc. U. S. Nat. Mus., xxv, 404, 1902. — Col.

EIDO Chambers.

CHAMBERS, Can. Ent., v, 72, 1873; Jn. Cin. Soc. Nat. Hist., ii, 202, f. 18, 1879; *Venilia* CHAMBERS (not DUPONCHEL), Can. Ent., iv, 207, 1872.

*5502. **albapalpella** CHAMBERS, Can. Ent., iv, 208, 1872; v, 72, 1873. — Atl. States.

syn. *albopalpella* RILEY, Sm. List Lep. Bor. Am., no. 5543, 1891.

PLUTELLA Schrank.

SCHRANK, Fauna Boica, ii, 2, 169, 1802.

5503. **maculipennis** CURTIS, Brit. Ent., pl. 420, 1832; WALSINGHAM & DURRANT, Ent. Mo. Mag., xxxiii, 173, 1897. — U. S., Eur.

syn. *cruciferarum* ZELLER, Stett. ent. Zeit., 281, 1843; CHAMBERS, Bull. Geol. Surv. Terr., iv, 161, 1878; WALSINGHAM, Proc. Zool. Soc. Lond., 304, 1881; FLETCHER, Rept. Ex. Far. Can., 165, 1890; ORMEROD, Jn. Roy. Agr. Soc. Engl., 1891; *limbidipenella* CLEMENS, *mollipedella* CLEMENS, *brasiella* FITCH, *xylostella* PACKARD, *zylostella* CHAMBERS, *dubiosella* BEUTENMÜLLER, Can. Ent., xxi, 27, 1889; DYAR, C. 40.

5504. **porrectella** LINNÆUS, Syst. Nat., 546, 1758; WOCKE, Cat. Lep. Eur., ii, no. 1624, 1871; CHAMBERS, Bull. Geol. Surv. Terr., iv, 161, 1878; WALSINGHAM, Proc. Zool. Soc. Lond., 305, 1881. — Cal., Eur.

syn. *hesperidella* HÜBNER, *rittatus* FABRICIUS, *hesperidis* HAWORTH, *vigilacella* CLEMENS.

5505. **omissa** WALSINGHAM, Ins. Life, i, 258, 1889. — Cal.

5506. **vanella** WALSINGHAM, Proc. Zool. Soc. Lond., 305, 1881. — Cal.

*5507. **albidorsella** WALSINGHAM, Proc. Zool. Soc. Lond., 305, 1881. — Cal.

5508. **interrupta** WALSINGHAM, Proc. Zool. Soc. Lond., 304, 1881. — Oreg.

*5509. **multimaculella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 89, 1878; HAGEN, Pap., iv, 99, 1884; BUSCK, Jn. N. Y. Ent. Soc., x, 97, 1902. — Tex.

GLYPHIPTERYX Hübner.

HÜBNER, Verz. bek. Schmett., 421, 1816; DYAR, C. 84.

5510. **bifasciata** WALSINGHAM, Proc. Zool. Soc. Lond., 321, 1881. — Cal.

*5511. **unifasciata** WALSINGHAM, Proc. Zool. Soc. Lond., 322, 1881. — Cal.

5512. **quinqueferella** WALSINGHAM, Proc. Zool. Soc. Lond., 322, 1881. — Cal.

5513. **impigritella** CLEMENS, Proc. Ent. Soc. Phil., ii, 9, 1862; Tin. No. Am., 214, 1872. — Tex.

syn. *exoptatella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 234, 1875; CHAMBERS, Can. Ent., xiii, 193, 1881.

5514. **circumscriptella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 291, 1880. — Atl. States.

5515. **californiæ** WALSINGHAM, Proc. Zool. Soc. Lond., 320, 1881; CHAMBERS, Can. Ent., xiii, 193, 1881. — Cal.

5516. **regalis** WALSINGHAM, Proc. Zool. Soc. Lond., 319, 1881. — Cal.

5517. **quadragintapunctata** DYAR, Can. Ent., xxxii, 84, 1900. — Miss. Valley.

*5518. **montisella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 292, 1875; Bull. Geol. Surv. Terr., iv, 148, 1878. — Col.

syn. *montinella* CHAMBERS, Can. Ent., ix, 14, 1877.

CHOREUTIS Hübner.

HÜBNER, Verz. bek. Schmett., 373, 1816; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 320, 1875; FERNALD, Can. Ent., xxxii, 240, 1900; KEARFOTT, Jn. N. Y. Ent. Soc., x, 106, 1902.

5519. **inflatella** CLEMENS, Proc. Ent. Soc. Phil., ii, 5, 1863; DYAR, C. 85; FERNALD, Can. Ent., xxxii, 242, 1900. — Atl. States.

a. **virginiella** CLEMENS, Proc. Ent. Soc. Phil., iii, 505, 1864; FERNALD, Can. Ent., xxxii, 243, 1900. — Atl. States.

5520. **dyarella** KEARFOTT, Jn. N. Y. Ent. Soc., x, 112, 1902. — Cal.

5521. **onustana** WALKER, Cat. Brit. Mus., xxx, 996, 1864. — No. Atl. States.

syn. *ohioensis* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 220, 1875.

5522. **gnaphaliella** KEARFOTT, Journ. N. Y. Ent. Soc., x, 113, 1902. — U. S.

5523. **carduiella** KEARFOTT, Journ. N. Y. Ent. Soc., x, 116, 1902. — N. J., Fla.

a. **busckiella** KEARFOTT, Journ. N. Y. Ent. Soc., x, 120, 1902.

5524. **silphiella** GROTE, Pap., i, 40, 1881. — Cal., Col.
syn. *gemmalis* HULST, Trans. Am. Ent. Soc., xiii, 148, 1886.

5525. **sororculella** DYAR, Can. Ent., xxxii, 86, 1900. — Col.

5526. **occidentella** DYAR, Can. Ent., xxxii, 86, 1900. — Cal.

5527. **coloradella** KEARFOTT, Journ. N. Y. Ent. Soc., x, 123, 1902. — Col., Alaska.

5528. **extrincicella** DYAR, Can. Ent., xxxii, 86, 1900. — Wis.

5529. **leucobasis** FERNALD, Can. Ent., xxxii, 242, 1900. — No. Atl. States.

HEMEROPHILA Hübner.

HÜBNER, Tent., 1806; FERNALD, Can. Ent., xxxii, 239, 1900.

*5530. **vicarilis** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 322, 1875. — Tex.

5531. **dyari** BUSCK, Journ. N. Y. Ent. Soc., vii, 242 1900. — Fla.

BRENTHIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 172, 1860; FERNALD, Can. Ent., xxxii, 32, 1900

5532. **pavonacella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 172, 1860; Tin. No. Am., 134, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 323, 1875; CHAMBERS, Can. Ent., x, 76, 1878; WALSINGHAM, Proc. Zool. Soc. Lond., 529, 1891; 120, 1897; FERNALD, Can. Ent., xxxii, 243, 1900. — Atl. States.
syn. *amphicarpaeana* CHAMBERS.

WALSINGHAMIA Riley.

RILEY, Proc. Ent. Soc. Wash., i, 157, 1889; FERNALD, Can. Ent., xxxii, 244, 1900.

5533. **diva** RILEY, Proc. Ent. Soc. Wash., i, 158, 1889. — Fla.

*5534. **slossonia** FERNALD, Can. Ent., xxxii, 244, 1900. — Fla.

SETIOSTOMA Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 324, 1875; FERNALD, Can. Ent., xxxii, 244, 1900.

5535. **xanthobasis** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 324, 1875. — Atl. States.

5536. **fernaldella** RILEY, Proc. Ent. Soc. Wash., i, 155, 1889. — Cal.

ORCHEMIA Guenée.

Guenée, Ind. Méth., 58, 1845; Fernald, Can. Ent., xxxii, 238, 1900.

5537. **diana** Hübner, Eur. Schmett., Tort., pl. 44, f. 247, 1823; Fernald, Can. Ent., xxxii, 238, 1900. — U. S.
syn. *decorana* Zetterstedt, *luridana* Walker.
a. **betuliperda** Dyar, Proc. U. S. Nat. Mus., xxv, 403, 1902.

THELETHIA Dyar.

Dyar, Can. Ent., xxv, 301, 1893; C. 86.

*5538. **extranea** Hy. Edwards, Ent. Amer., iii, 181, 1888; Dyar, C. 86. — Ariz.

Family GELECHIIDÆ.

By August Busck.

METZNERIA Zeller.

Zeller, Isis, 197, 1839.

5539. **lappella** Linnæus, Syst. Nat., 537, 1758; Staudinger & Rebel, Cat. Lep. Eur., ii, no. 2491, 1901. — Atl. States, Eur.

PALTODORA Meyrick.

Meyrick, Handb. Brit. Lep., 571, 1895.

5540. **striatella** Hübner, Eur. Schmett., 288, 1820; Walsingham, Ins. Life, i, 82, 1888; Staudinger & Rebel, Cat. Lep. Eur., ii, no. 2935, 1901. — Cal., Eur.

5541. **pallidistrigella** Chambers, Can. Ent., vi, 244, 1874; Bull. Geol. Surv. Terr., iv, 92, 1878; Walsingham, Ins. Life, i, 81, 1888. — Tex.

5542. **magnella** Busck, Proc. U. S. Nat. Mus., xxv, 776, 1903. — Col.

5543. **cilialineella** Chambers, Can. Ent., vi, 242, 1874; Bull. Geol. Surv. Terr., iv, 91, 1878. — Tex.

5544. **dietziella** Busck, Proc. U. S. Nat. Mus., xxv, 777, 1903. — Col.

5545. **canicostella** Walsingham, Ins. Life, i, 82, 1888. — Cal.

5546. **anteliella** Busck, Proc. U. S. Nat. Mus., xxv, 778, 1903. — N. J.

5547. **sabulella** Walsingham, Ins. Life, i, 83, 1888. — Cal.

5548. **similiella** Chambers, Can. Ent., iv, 193, 1872; vi, 242, 1873. — Atl. States.
syn. *piscipellis* Zeller, Verh. zool.-bot. Ges. Wien, xxiii, 277, 1873.

5549. **tophella** WALSINGHAM, Ins. Life, i, 83, 1888. — Cal.

5550. **pallidella** CHAMBERS, Can. Ent., vi, 245, 1874; Bull. Geol. Surv. Terr., iv, 92, 1878; WALSINGHAM, Ins. Life, i, 81, 1888. — Col.

5551. **modesta** WALSINGHAM, Ins. Life, i, 82, 1888. — Cal.

SITOTROGA Heinemann.

HEINEMANN, Schmett. Deut. u. Schweiz, 287, 1870.

5552. **cerealella** OLIVIER, Encl. Méth., Ent., i, 121, 1819; GLOVER, Rept. Dept. Agr., 67, 1854; CLEMENS, Proc. Acad. Nat. Sci. Phil., 168, 1860; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2902, 1901. — U. S., Eur.

AUTONEDA Busck.

Neda CHAMBERS (not MULSANT), Can. Ent., vi, 243, 1874.

5553. **plutella** CHAMBERS, Can. Ent., vi, 244, 1874; vii, 105, 1875; Bull. U. S. Geol. Surv. Terr., iii, 157, 1878. — Ky.

TELPHUSA Chambers.

CHAMBERS, Can. Ent., iv, 182, 1872; *Xenolechia* MEYRICK, Handb. Brit. Lep., 583, 1895.

*5554. **longifasciella** CLEMENS, Proc. Ent. Soc. Phil., ii, 12, 121, 1863; CHAMBERS, Can. Ent., iv, 174, 1872. — Atl. States.

syn. *curvistrigella* CHAMBERS, Can. Ent., iv, 133, 1872; *obliquifasciella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 182, 1879.

5555. **quinquecristatella** CHAMBERS, Bull. Geol Surv. Terr., iv, 88, 146, 1878. — Ky.?

5556. **latifasciella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 251, 1875. — Ky., Mo.

5557. **quercinigracella** CHAMBERS, Can. Ent., iv, 170, 1872. — Atl. States.

syn. *fragmentella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 71, 1873; *quercinigrœella* CHAMBERS, Bull. U. S. Geol. Surv. Terr., iv, 146, 1878.

5558. **palliderosacella** CHAMBERS, Bull. U. S. Geol. Surv. Terr., iv, 90, 1878. — Atl. States.

5559. **querciella** CHAMBERS, Can. Ent., iv, 127, 147, 207, 1872; BUSCK, Proc. U. S. Nat. Mus., xxv, 787, 1903. — Atl. States.

*5560. **basistrigella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 270, 1873. — Tex.

5561. **basifasciella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 269, 1873. — Tex., N. J.

5562. **betulella** Busck, Proc. U. S. Nat. Mus., xxv, 787, 1903. — Va., D. C.

5563. **belangerella** Chambers, Can. Ent., vii, 210, 1875. — Atl. States.

syn. *oromella* Walsingham, Trans. Am. Ent. Soc., x, 179, 1882; Packard, Fifth Rept. U. S. Ent. Comm., 630, 1890; *orella* Dietz, Smith's List Ins. N. J., 474, 1900.

5564. **glandiferella** Zeller, Verh. zool.-bot. Ges. Wien, xxiii, 275, 1873; Walsingham, Proc. Zool. Soc. Lond., 72, 1897. — Tex.

syn. *sella* Chambers, Can. Ent., vi, 238, 1874; *glandifera* Chambers, Can. Ent., ix, 14, 1877.

*5565. **alexandriæella** Chambers, Can. Ent., iv, 149, 1872. — Ky.

*5566. **fasciella** Chambers, Can. Ent., vi, 149, 1872. — Ky.

AGNIPPE Chambers.

Chambers, Can. Ent., iv, 194, 1872.

5567. **biscolorella** Chambers, Can. Ent., iv, 195, 1872; vii, 106, 1875; ix, 231, 1877. — Ky.

568. **fuscopulvella** Chambers, Can. Ent., iv, 195, 1872. — Ky.

syn. *biscolorella* Chambers, Bull. Geol. Surv. Terr., iv, 128, 1878.

NEALYDA Dietz.

Dietz, Ent. News, xi, 350, 1900.

5569. **pisoniæ** Busck, Proc. U. S. Nat. Mus., xxiii, 229, 1900; Dyar, Proc. Ent. Soc. Wash., iv, 470, 1901. — Fla.

5570. **bifidella** Dietz, Ent. News, xi, 351, 1900; Dyar, Proc. U. S. Nat. Mus., xxv, 406, 1902. — Col.

5571. **kinzelella** Busck, Proc. U. S. Nat. Mus., xxiii, 230, 1900; Dyar, Proc. Ent. Soc. Wash., iv, 471, 1901. — Fla.

CHRYSOPORA Clemens.

Clemens, Proc. Acad. Nat. Sci. Phil., 362, 1860; *Nomia* Clemens, Proc. Acad. Nat. Sci. Phil., 167, 1860; *Nannodia* Heinemann, Schmett. Deut. u. Schw., 284, 1870.

5572. **lingulacella** Clemens, Proc. Acad. Nat. Sci. Phil., 167, 1860; Tin. No. Am., 124, 1872. — Atl. States.

syn. *hermanella* Chambers, Can. Ent., iv, 67, 169, 1872; x, 52, 1878; *armeniella* Frey & Boll, Stett. ent. Zeit., xxxix, 249, 1878.

5573. **hermanella** FABRICIUS, Spec. Ins., ii, 509, 1781; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2896, 1901. — Can., Eur.

LEUCE Chambers.

CHAMBERS, Can. Ent., vii, 9, 51, 1875; *Xæra* CHAMBERS (not SOWERBY), Can. Ent., vii, 9, 1875.

5574. **fuscocristatella** CHAMBERS, Can. Ent., vii, 9, 34, 51, 1875. — Tex.

syn. *belfragesella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 183, 1879.

ARISTOTELIA Hübner.

HÜBNER, Verz. bek. Schmett., 424, 1816; *Eucatoptus* WALSINGHAM, Proc. Zool. Soc. Lond., 69, 1897.

5575. **roseosuffusella** CLEMENS, Proc. Acad. Nat. Sci. Phil., xii, 162, 434, 1860; Proc. Ent. Soc. Phil., ii, 121, 1863; iii, 508, 1864; CHAMBERS, Can. Ent., iv, 69, 148, 169, 193, 1872; Bull. U. S. Geol. Surv. Terr., iii, 125, 141, 1877; Can. Ent., ix, 14, 1877; Bull. Geol. Surv. Terr., iv, 110, 1878; Jn. Cin. Soc. Nat. Hist., ii, 183, 1880; MURTFELDT, Can. Ent., vi, 222, 1874; U. S. Dept. Agr., Div. Ent., Bull. 23, 53, 1891; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 272, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 180, 1882; Proc. Zool. Soc. Lond., 66, 1897; DIETZ, Smith's List Ins. N. J., 474, 1900; BUSCK, Proc. U. S. Nat. Mus., xxiii, 226, 1900. — Atl. States.

syn. *rosasuffusella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 290, 1875; *bellela* WALKER, Cat. Brit. Mus., xxix, 595, 1864.

5576. **pudibundella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 273, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 181, 1882; Proc. Zool. Soc. Lond., 66, 1897; BUSCK, Proc. U. S. Nat. Mus., xxiii, 226, 1900. — Atl. States.

syn. *intermediella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 89, 1878; WALSINGHAM, Trans. Ent. Soc. Lond., x, 180, 1882; MURTFELDT, U. S. Dept. Agr., Div. Ent., Bull. 23, 53, 1891; DIETZ, Smith's List Ins. N. J., 475, 1900.

5577. **molestella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 274, 1873. — Tex.

5578. **rubidella** CLEMENS, Proc. Acad. Nat. Sci. Phil., xii, 163, 434, 1860; Proc. Ent. Soc. Phil., ii, 121, 1863; WALSINGHAM, Trans. Am. Ent. Soc., x, 180, 1882; Proc. Zool. Soc. Lond., 70, 1897; DIETZ, Smith's List Ins. N. J., 475, 1900. — Atl. States.

syn. *rubensella* CHAMBERS, Can. Ent., iv, 193, 1872; MURTFELDT, Can. Ent., vi, 222, 1874; U. S. Dept. Agr., Div. Ent., Bull. 23, 54, 1891; *pudibundella* CHAMBERS, Can. Ent., ix, 23, 1877.

5579. **fungivorella** CLEMENS, Proc. Ent. Soc. Phil., iii, 507, 1874; WALSH, Proc. Ent. Soc. Phil., vi, 273, 1866; PACKARD, Guide Stud. Ins., 350, 1869. — Atl. States.

*5579. 1 **salicifungiella** CLEMENS, Proc. Ent. Soc. Phil. iii, 508, 1864. — Ill.

5580. **ivæ** BUSCK, Proc. U. S. Nat. Mus., xxiii, 225, 1900; DYAR, Proc. Ent. Soc. Wash., iv, 470, 1901. — Fla.

5581. **bifasciella** BUSCK, Proc. U. S. Nat. Mus., xxv, 799, 1903. — Ariz.

5582. **elegantella** CHAMBERS, Can. Ent., vi, 239, 1872; ix, 23, 1877. — Tex., Mo.

syn. *superbella* CHAMBERS, Can. Ent., vii, 32, 1875.

5583. **argentifera** BUSCK, Proc. U. S. Nat. Mus., xxv, 800, 1903. — Cal.

5584. **cockerella** BUSCK, Proc. U. S. Nat. Mus., xxv, 800, 1903. — N. Mex.

5585. **absconditella** WALKER, Cat. Brit. Mus., xxix, 595, 1864; WALSINGHAM, Trans. Am. Ent. Soc., x, 181, 1882; DIETZ, Smith's List Ins. N. J., 475, 1900. — Atl. States.

syn. *palpiannulella* CHAMBERS, Can. Ent., iv, 68, 1872.

5586. **minimella** CHAMBERS, Can. Ent., vi, 243, 1874. — Tex.

5587. **physaliella** CHAMBERS, Can. Ent., iv, 173, 1872; Cin. Quart. Jn. Sci., ii, 238, 1875; Bull. Geol. Surv. Terr., iii, 128, 1877. — Ky.

5588. **disconotella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 86, 1878. — Ky.

5589. **gilvolinella** CLEMENS, Proc. Ent. Soc. Phil., ii, 119, 1863; Tin. No. Am., 223, 1872. — Pa.

5590. **kearfottella** BUSCK, Proc. U. S. Nat. Mus., xxv, 803, 1903. — Pa., N. J.

5591. **quinquepunctella** BUSCK, Proc. U. S. Nat. Mus., xxv, 804, 1903. — Pa.

HELICE Chambers.

CHAMBERS, Can. Ent., v, 187, 1873.

5592. **pallidochrella** CHAMBERS, Can. Ent., v, 188, 230, 1873; vii, 105, 1875; ix, 231, 1877; BUSCK, Jn. N. Y. Ent. Soc., x, 89, 1902. — Ky.

syn. *palidochrella* CHAMBERS, Can. Ent., ix, 15, 1877; *gleditschiæella* CHAMBERS, Can. Ent., ix, 232, 1877.

EVIPPE Chambers.

CHAMBERS, Can. Ent., v, 185, 1873; *Phætusa* CHAMBERS, Can. Ent., vii, 106, 1875.

5593. **prunifoliella** CHAMBERS, Can. Ent., v, 186, 1873; vii, 105, 1875; ix, 23, 1877; WALSINGHAM, Trans. Am. Ent. Soc., x, 177, 1882; MURTFELDT, Can. Ent., xv, 94, 1883. — Ky.

5594. **leuconota** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 268, 1873. — Tex., Ky., Atl. States.

syn. *platella* CHAMBERS, Can. Ent., vii, 106, 1875; WALSINGHAM, Trans. Am. Ent. Soc., x, 177, 1882; MURTFELDT, Can. Ent., xv, 94, 1883.

EUCORDYLEA Dietz.

DIETZ, Ent. News, xi, 349, 1900.

5595. **atrupictella** DIETZ, Ent. News, xi, 350, 1900. — Pa., Can.

RECURVARIA Haworth.

HAWORTH, Lep. Brit., 547, 1829; *Eragora* CLEMENS, Proc. Acad. Nat. Sci. Phil., 135, 1860; *Eidothoa* CHAMBERS, Can. Ent., v, 186, 1873; *Sinoe* CHAMBERS, Can. Ent., v, 231, 1873; *Aphanaula* MEYRICK, Handb. Brit. Lep., 579, 1895.

5596. **apicitripunctella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 165, 1860; WALSINGHAM, Trans. Am. Ent. Soc., x, 182, 1882. — Atl. States.

syn. *abietisella* PACKARD, Rept. Dept. Agr., 150, 1883; Fifth Rept. U. S. Ent. Comm., 876, 1890.

5597. **variella** CHAMBERS, Can. Ent., iv, 174, 1872; vi, 241, 1874. — Ky. D. C.

5598. **colubrinæ** BUSCK, Proc. U. S. Nat. Mus., xxv, 810, 1903. — Tex.

5599. **obliquestrigella** CHAMBERS, Can. Ent., iv, 65, 1872. — Ky.

syn. *obliquistrigella* CHAMBERS, Can. Ent., iv, 145, 1872; vii, 106, 1875; ix, 24, 1877; x, 50, 1878.

5600. **cratægella** BUSCK, Proc. U. S. Nat. Mus., xxv, 811, 1903. — Pa.

5601. **robiniella** FITCH, Rept. Ins. N. Y., v, 334, 1859; CHAMBERS, Can. Ent., iii, 55, 163, 183, 1871. — Atl. States.

syn. *fuscopallidella* CHAMBERS, Can. Ent., vii, 105, 1875; ix, 24, 1877; Rept. Dept. Agr., 225, 1879; *robiniæfoliella* CHAMBERS, Rept. Dept. Agr., 224, 1879.

5602. **quercivorella** CHAMBERS, Can. Ent., iv, 173, 1872. — Ky., Tex., Atl. States.

syn. *gilviscopella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 266, 1873; *gilvoscopella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 144, 1878.

5603. **dorsivittella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 267, 1873; WALSINGHAM, Proc. Zool. Soc. Lond., 66, 1897; DIETZ, Smith's List Ins. N. J., 475, 1900. — Ky., Tex., Atl. States, W. I.

syn. *vagatiocella* CHAMBERS, Can. Ent., v, 187, 229, 1873; vii, 105, 1875.

5604. **cristatella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 241, 1875; WALSINGHAM, Trans. Am. Ent. Soc., x, 179, 182, 1882. — Ky.

5605. **nigra** BUSCK, Proc. U. S. Nat. Mus., xxv, 814, 1903. — D. C.

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CLEMENS, Proc. Acad. Nat. Sci. Phil., 168, 1860.

5606. **prudens** CLEMENS, Proc. Acad. Nat. Sci. Phil., 168, 1860. — Atl. States.

syn. *quinquecanudella* CHAMBERS, Can. Ent., iv, 191, 1872.

5607. **fagella** BUSCK, Proc. U. S. Nat. Mus., xxv, 816, 1903. — D. C.

EPITHECTIS Meyrick.

MEYRICK, Handb. Brit. Lep., 580, 1895; *Taygete* CHAMBERS (not *Taygetis* HÜBNER), Can. Ent., v, 231, 1873.

5608. **attributella** WALKER, Cat. Brit. Mus., xxix, 593, 1864; WALSINGHAM, Trans. Am. Ent. Soc., x, 182, 1882. — Atl. States.

syn. *difficilisella* CHAMBERS, Can. Ent., iv, 65, 1872; v, 187, 231, 1873; vii, 105, 1875; viii, 19, 1876; Cin. Quart. Jn. Sci., ii, 289, 1875.

5609. **bicostomaculella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 127, 1877. — Col.

5610. **sylvicolella** BUSCK, Proc. U. S. Nat. Mus., xxv, 818, 1903. — N. Y.

5611. **subsimella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 173, 1860. — Pa.

5612. **saundersella** CHAMBERS, Can. Ent., viii, 173, 1876. — Ky.

5613. **gallægenitella** CLEMENS, Proc. Ent. Soc. Phil., ii, 420, 1864; iii, 506, 1865; CHAMBERS, Bull. Geol. Surv. Terr., iv, 143, 1878. — Ill.

syn. *geminella* RILEY, Can. Ent., iii, 195, 1871.

PARALECHIA Busck.

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5614. **pinifoliella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 181, 1880; COMSTOCK, Fifth Rept. U. S. Ent. Comm., 793, 1890; DIETZ, Smith's List Ins. N. J., 475, 1900. — Atl. States.

5615. **cristifasciella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 87, 1878. — Ky., Atl. States.

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5617. **glochinella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 263, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 144, 1878. — Tex., Mo.

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5618. **striatella** MURTFELDT, Can. Ent., xxxii, 163, 1900. — Mo., Cal.

*5619. **marmorella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 239, 1875. — Ky.

GNORIMOSCHEMA Busck.

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5620. **gallæsolidaginis** RILEY, Rept. Ins. Mo., i, 173, 1869; ii, 20, 132, 134, 1870; CHAMBERS, Can. Ent., viii, 19, 1876; ix, 14, 1877; Cin. Quart. Jn. Sci., ii, 289, 1875; Bull. Geol. Surv. Terr., iii, 1, 28, 141, 1877; KELLICOTT, Can. Ent., x, 201, 1878; DIETZ, Smith's List Ins. N. J., 474, 1900. — Atl. States.

5621. **gallæasteriella** KELLICOTT, Can. Ent., x, 203, 1878. — Atl. States, Can.

syn. *gallædiplopappi* FYLES, Can. Ent., xxii, 248, 1890.

5622. **baccharisella** BUSCK, Proc. U. S. Nat. Mus., xxv, 825, 1903. — Cal.

5623. **coquillettella** BUSCK, Proc. U. S. Nat. Mus., xxv, 405, 1902. — Cal., Col.

*5624. **albimarginella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 291, 1875. — Col.

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5625. **semicyclionella** BUSCK, Proc. U. S. Nat. Mus., xxv, 828, 1903. — N. Mex.

*5626. **pallidochrella** CHAMBERS, Can. Ent., iv, 126, 129, 147, 1872; BUSCK, Proc. U. S. Nat. Mus., xxv, 828, 1903; Jn. N. Y. Ent. Soc., x, 90 note, 1902. — Ky.

5627. **dudiella** BUSCK, Proc. U. S. Nat. Mus., xxv, 828, 1903. — Col.

5628. **serratipalpella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 123, 1877. — Col., N. Mex.

5629. **pedmontella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 123, 1877. — Col.

5630. **triocellella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 127, 1877. — Col.

syn. *triocelella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 87, 1878.

5631. **octomaculella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 291, 1875; Bull. Geol. Surv. Terr., iii, 128, 1877. — Cal., Col.

5632. **ochreostrigella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 126, 1877. — Col.

*5633. **collinusella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 128, 1877. — Col.

5634. **saphirinella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 250, 1875. — Col., D. C.

syn. *sapharinella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 147, 1878.

5635. **florella** BUSCK, Proc. U. S. Nat. Mus., xxv, 832, 1903. — Ariz.

5636. **banksiella** BUSCK, Proc. U. S. Nat. Mus., xxv, 832, 1903. — N. Y.

5637. **batanella** BUSCK, Proc. U. S. Nat. Mus., xxv, 833, 1903. — N. J.

5638. **lavernella** CHAMBERS, Can. Ent., vi, 242, 1874. — Atl. States.
syn. *physaliverella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 238, 1878.

*5639. **scutellariæella** CHAMBERS, Can. Ent., v, 175, 1873. — Ky.

5640. **tetradymiella** BUSCK, Proc. U. S. Nat. Mus., xxv, 834, 1903. — Cal.

5641. **terracottella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 227, 1900; DYAR, Proc. Ent. Soc. Wash., iv, 471, 1901. — Fla.

GLAUCE Chambers.

CHAMBERS, Can. Ent., vii, 11, 1875.

*5642. **pectenalæella** CHAMBERS, Can. Ent., vii, 12, 1875; BUSCK, Proc. U. S. Nat. Mus., xxv, 783, 1903. — Tex., Ky.

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5643. **snellenella** WALSINGHAM, Ins. Life, i, 83, 1888; Proc. Zool. Soc. Lond., 522, 1891; 523, 1897; BUSCK, Proc. U. S. Nat. Mus., xxiii, 228, 1900. — Ariz.

5644. **barberella** BUSCK, Proc. U. S. Nat. Mus., xxv, 836, 1903. — Col.

DEOCLONA Busck.

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5645. **yuccasella** BUSCK, Proc. U. S. Nat. Mus., xxv, 837, 1903. — Cal.

PROSTOMEUS Busck.

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5646. **brunneus** BUSCK, Proc. U. S. Nat. Mus., xxv, 838, 1903. — Fla.

POLYHYMNO Chambers.

CHAMBERS, Can. Ent., vi, 246, 1874.

5647. **luteostrigella** CHAMBERS, Can. Ent., vi, 247, 1874; Jn. Cin. Soc. Nat. Hist., ii, 203, 1880; BEUTENMÜLLER, Ent. Amer., v, 37, 1889; WALSINGHAM, Trans. Ent. Soc. Lond., pl. 7, f. 78, 1891; Proc. Zool. Soc. Lond., 77, 1897; BUSCK, Jn. N. Y. Ent. Soc., viii, 236, 1900. — So. Atl. States.

syn. *fuscostrigella* CHAMBERS, Can. Ent., viii, 30, 1876.

5648. **acaciella** BUSCK, Jn. N. Y. Ent. Soc., viii, 235, 1900. — Tex.

5649. **sexstrigella** CHAMBERS, Can. Ent., vi, 248, 1874; BUSCK, Jn. N. Y. Ent. Soc., viii, 236, 1900. — Tex.

MENESTA Clemens.

Clemens, Proc. Acad. Nat. Sci. Phil., 213, 1860; *Hyale* Chambers, Cin. Quart. Jn. Sci., ii, 242, 1880.

5650. **tortriciformella** Clemens, Proc. Acad. Nat. Sci. Phil., 213, 1860; Walsingham, Proc. Zool. Soc. Lond., 319, 1881; Ins. Life, ii, 154, 1889. — Atl. States.

syn. *liturella* Walker, Cat. Brit. Mus., xxix, 591, 1864; *coryliella* Chambers, Cin. Quart. Jn. Sci., ii, 242, 1875.

5651. **melanella** Murtfeldt, Ins. Life, ii, 304, 1890. — Mo.

*5652. **albaciliæella** Chambers, Can. Ent., x, 77, 1878. — Ohio, N. J.

syn. *argenticiliaella* Chambers, Bull. Geol. Surv. Terr., iv, 162, 1878.

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5653. **irridipennella** Clemens, Proc. Acad. Nat. Sci. Phil., 165, 1860; Chambers, Can. Ent., iv, 89, 1872; Frey & Boll, Stett. ent. Zeit., xxxix, 251, 1878; Dietz, Smith's List Ins. N. J., 474, 1900. — Atl. States.

syn. *aphroditella* Chambers, Can. Ent., iv, 88, 1872; *proserpinella* Frey & Boll, Stett. ent. Zeit., xxxix, 251, 1878.

5654. **emblemella** Clemens, Proc. Acad. Nat. Sci. Phil., 164, 1860; Chambers, Can. Ent., iv, 89, 1872; Frey & Boll, Stett. ent. Zeit., xxxix, 251, 1878. — Atl. States.

syn. *venustella* Chambers, Can. Ent., iv, 90, 1872.

TRICHOTAPHE Clemens.

Clemens, Proc. Acad. Nat. Sci. Phil., 166, 1860; *Begoe* Chambers, Can. Ent., iv, 24, 1872; *Epicorthylis* Zeller, Verh. zool.-bot. Ges. Wien, xxiii, 248, 1873; *Malacotricha* Zeller, Verh. zool.-bot. Ges. Wien, xxiii, 282, 1873.

5655. **flavocostella** Clemens, Proc. Acad. Nat. Sci. Phil., 162, 1860; Proc. Ent. Soc. Phil., i, 131, 1862; Zeller, Verh. zool.-bot. Ges. Wien, xxiii, 279, 1873; Coquillett, Rept. State Ent. Ill., x, 153, 1881. — Atl. States.

syn. *flavicostella* Walsingham, Trans. Am. Ent. Soc., x, 184, 1882.

5656. **inserrata** Walsingham, Trans. Am. Ent. Soc., x, 184, 1882. — Atl. States.

5657. **serrativittella** Zeller, Verh. zool.-bot. Ges. Wien, xxiii, 280, 1873; Chambers, Can. Ent., ix, 24, 1877; Walsingham, Trans. Am. Ent. Soc., x, 184, 1882. — Atl. States.

syn. *plutella* Chambers, Can. Ent., vi, 238, 1874.

5658. **costarufoella** CHAMBERS, Can. Ent., vi, 240, 1874. — Tex.
syn. *costorufoella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 142, 1878.

5659. **alacella** CLEMENS, Proc. Ent. Soc. Phil., i, 132, 1862; DIETZ, Smith's List Ins. N. J., 474, 1900. — Atl. States.
syn. *ochripalpella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 279, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 183, 1882; *goodellella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 289, 1881.

5660. **purpureofusca** WALSINGHAM, Trans. Am. Ent. Soc., x, 184, 1882. — N. H.

5661. **nonstrigella** CHAMBERS, Bull. Geol. Surv. Terr. iv, 92, 1878. — Ky.

5662. **juncidella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 166, 1860; WALSINGHAM, Trans. Am. Ent. Soc., x, 183, 1882. — Atl. States.
syn. *pallipalpis* WALKER, Cat. Brit. Mus., xxix, 596, 1864; *dubitella* CHAMBERS, Can. Ent., iv, 90, 128, 1872; MURTFELDT, Can. Ent., vi, 221, 1874; *hallipalpis* RILEY, Smith's List Lep. Bor. Am., no. 5394, 1891.

5663. **melantherella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 232, 1900; DYAR, Proc. Ent. Soc. Wash., iv, 472, 1901. — Fla.

5664. **setosella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 166, 1860; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 282, 1873. — Atl. States.
syn. *costolutella* CHAMBERS, Can. Ent., iv, 209, 1872; ix, 24, 1877; *bilobella* ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 280, 1873.

5665. **inversella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 248, 1873; CHAMBERS, Can. Ent., x, 54, 1878; Jn. Cin. Soc. Nat. Hist., ii, 198, 1880. — Tex.

5666. **condaliavorella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 232, 1900; DYAR, Proc. Ent. Soc. Wash., iv, 473, 1901. — Fla.

5667. **chambersella** MURTFELDT, Can. Ent., vi, 222, 1874; xiii, 242, 1881; CHAMBERS, Cin. Quart. Jn. Sci., ii, 240, 1875. — Mo., Atl. States.
syn. *inæquepulvella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 239, 1875.

*5668. **lactiflosella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 89, 1878. — Tex.

5669. **trimaculella** CHAMBERS, Can. Ent., vi, 238, 1874. — Tex.

*5670. **bidiscomaculella** CHAMBERS: Can. Ent., vi, 241, 1874. — Tex.

5671. **fernaldella** BUSCK, Proc. U. S. Nat. Mus., xxv, 915, 1903. — Me.

*5672. **georgiella** WALKER, Cat. Brit. Mus., xxxv, 1827, 1866; WALSINGHAM, Proc. Zool. Soc. Lond., 312, 1891; BUSCK, Jn. N. Y. Ent. Soc., x, 94, 1902. — Ga.

GLYPHIDOCERA Walsingham.

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5673. **floridanella** BUSCK, Proc. Ent. Soc. Wash., iv, 474, 1901. — Fla.

5674. **æquepulvella** CHAMBERS, Can. Ent., iv, 192, 1872; vi, 230, 1874; Cin. Quart. Jn. Sci., ii, 246, 1875; Bull. Geol. Surv. Terr., iii, 125, 141, 1877; BUSCK, Proc. Ent. Soc. Wash., iv, 475, 1901. — Ky., Tex., Cal., Col.

ANORTHOSIA Clemens.

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5675. **punctipennella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 161, 1860; CHAMBERS, Can. Ent., iv, 225, 1872; vi, 245, 1874; WALSINGHAM, Trans. Ent. Soc. Lond., 110, 1891. — Atl. States.

*5676. **gracilella** CHAMBERS, Can. Ent., iv, 226, 1874. — Ky.

ENCHRYSA Zeller.

ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 82, 1873.

*5677. **dissectella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 283, 1873. — Ohio.

YPSOLOPHUS Fabricius.

FABRICIUS, Ent. Syst., suppl., 421, 1798.

5678. **ligulellus** HÜBNER, Zutr. exot. Schmett., f. 143, 1818. — Atl. States.

syn. *pometella* HARRIS, Camb. Chron., Jul. 17, 1853; FITCH, Jn. N. Y. Agr. Soc., iv, 36, 1853; *contubernatellus* FITCH, Trans. N. Y. Agr. Soc., xiii, 178, 1854; *punctigutellus* CLEMENS, Proc. Ent. Soc. Phil., ii, 123, 1863; *flavicittellus* CLEMENS, Proc. Ent. Soc. Phil., ii, 429, 1864; *reedella* CHAMBERS, Can. Ent., iv, 222, 1872; *quercipomonella* CHAMBERS, Can. Ent., iv, 222, 1872; *ruderella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 167, 1878.

5679. **punctidiscellus** CLEMENS, Proc. Ent. Soc. Phil., ii, 123, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 285, 1873. — Atl. States.

syn. *straminellus* CHAMBERS, Can. Ent., iv, 224, 1872.

5680. **touceyellus** BUSCK. — Tex., Ky.

syn. *trimaculellus* CHAMBERS (not FITCH), Can. Ent., vi, 243, 1874; Bull. Geol. Surv. Terr., iv, 92, 1878; WALSINGHAM, Proc. Zool. Soc. Lond., 526, 1891.

5681. **bipunctellus** WALSINGHAM, Trans. Am. Ent. Soc., x, 186, 1882. — Mass.

*5682. **trinotellus** COQUILLETT, Pap., iii, 81, 1883; PACKARD, Fifth Rept. U. S. Ent. Comm., 640, 1890. — Ill.

5683. **citrifoliellus** CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 184, 1880; COMSTOCK, Rept. U. S. Dept. Agr., 205, 1880. — Fla.

5684. **caryæfoliellus** CHAMBERS, Can. Ent., iv, 224, 1872. — Ky., Tex., Mo.

5685. **ventrellus** FITCH, Trans. N. Y. Agr. Soc., xiii, 234, 1853. — Atl. States.

syn. *unicipunctellus* CLEMENS, Proc. Ent. Soc. Phil., ii, 123, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 286, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 186, 1882.

5686. **eupatoriellus** CHAMBERS, Can. Ent., iv, 221, 1872; ix, 23, 1877. — Atl. States, Ky., Tex.

syn. *dolabella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 288, 1873.

*5687. **malifoliellus** FITCH, Trans. N. Y. State Agr. Soc., xiii, 233, 1853. — N. Y.

*5688. **quercicellus** CHAMBERS, Can. Ent., iv, 223, 1872. — Ky.

syn. *querciella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 83, 1878.

*5689. **roseocostellus** WALSINGHAM, Trans. Am. Ent. Soc., x, 185, 1882. — Mo.

*5690. **bimaculellus** CHAMBERS, Bull. Geol. Surv. Terr., iii, 122, 1877; Jn. Cin. Soc. Nat. Hist., ii, 184, 1880. — Col.

*5691. **grisseellus** CHAMBERS, Can. Ent., vi, 245, 1874. — Tex.

*5692. **rusticus** WALSINGHAM, Proc. Zool. Soc. Lond., 525, 1891; 86, 1897. — Tex., W. I.

ANARSIA Zeller.

ZELLER, Isis, 190, 1839.

5693. **lineatella** ZELLER, Isis, 190, 1839; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2999, 1901; CHAMBERS, Can. Ent., iv, 208, 1872; DIETZ, Smith's List Ins. N. J., 475, 1900. — U. S., Eur.

syn. *pruniella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 169, 1860; CHAMBERS, Can. Ent., iv, 208, 1872; vi, 243, 1874.

*5694. **suffusella** CHAMBERS, Can. Ent., vi, 243, 1874. — Tex.

APROÆREMA Durrant.

DURRANT, Ent. Mon. Mag., xxxiii, 221, 1897.

5695. **crotalariella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 226, 1900; DYAR, Proc. Ent. Soc. Wash., iv, 471, 1901. — Fla.

5696. **palpilineella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 252, 1875; Bull. Geol. Surv. Terr., iv, 88, 1878. — Tex., Ky., Atl. States.

5697. **nigrella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 250, 1875. — Tex., Atl. States.

5698. **kearfottella** BUSCK, Proc. U. S. Nat. Mus., xxv, 842, 1903. — N. J.

5699. **nigratomella** CLEMENS, Proc. Ent. Soc. Phil., ii, 11, 121, 1863; iii, 507, 1864; Tin. No. Am., 217, 1872. — Atl. States.

syn. *apicilinella* CLEMENS, Proc. Ent. Soc. Phil., ii, 120, 1863; *apicilineella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 141, 1878; *apicistrigella* CHAMBERS, Can. Ent., iii, 66, 1872; iv, 175, 1872.

5700. **concinusella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 253, 1875. — Atl. States, Col.

syn. *concinnisella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 127, 1877.

ANACAMPSIS Curtis.

CURTIS, Brit. Ent., Expl. pl. 189, 1827; *Tachyptilia* HEINEMANN, Schm. Deut. u. Schw., ii, 321, 1870.

5701. **innocuella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 249, 1873; DYAR, Proc. U. S. Nat. Mus., xxv, 406, 1902. — Col., Tex.

5702. **rhoifructella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 163, 1860; Proc. Ent. Soc. Phil., ii, 121, 1863; CHAMBERS, Can. Ent., iii, 68, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 252, 1873; COQUILLETT, Pap., iii, 99, 1883; DIETZ, Smith's List Ins. N. J., 474, 1900. — Atl. States, Mo., Tex.

syn. *consonella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 251, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 183, 1882; *quadrimaculella* CHAMBERS, Can. Ent., vi, 237, 1874; *ochreocostella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 91, 1878.

5703. **crescentifasciella** CHAMBERS, Can. Ent., vi, 237, 1874; Cin. Quart. Jn. Sci., ii, 255, 1875; Bull. Geol. Surv. Terr., iv, 90, 1878. — Tex.

5704. **niveopulvella** CHAMBERS, Can. Ent., vii, 210, 1875. — Can., Vanc. Id., Ariz.

5705. **argyrothamniella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 231, 1900; DYAR, Proc. Ent. Soc. Wash., iv, 474, 1901. — Fla.

5706. **laguncularielle** BUSCK, Proc. U. S. Nat. Mus., xxiii, 230, 1900; DYAR, Proc. Ent. Soc. Wash., iv, 474, 1901. — Fla.

5707. **cyclella** BUSCK, Proc. U. S. Nat. Mus., xxv, 848, 1903. — Ariz.

5708. **paltodoriella** BUSCK, Proc. U. S. Nat. Mus., xxv, 848, 1903. — N. Mex.

5709. **fullonella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 276, 1873. — Tex.

syn. *rufusella* CHAMBERS, Can. Ent., vi, 240, 1874; *refusella* WALSINGHAM, Trans. Am. Ent. Soc., x, 184, 1882; *rubescens* WALSINGHAM, Proc. Zool. Soc. Lond., 319, 1881; *subruberella* CHAMBERS, Can. Ent., vi, 240, 1874; Cin. Quart. Jn. Sci., ii, 254, 1875.

5710. **lupinella** BUSCK, Can. Ent., xxxiii, 14, 1901. — Can.

5711. **agrimoniella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 162, 434, 1860; Proc. Ent. Soc. Phil., ii, 120, 1863; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 275, 1873; DIETZ, Smith's List Ins. N. J., 474, 1900; BUSCK, Can. Ent., xxxiii, 15, 1901. — Atl. States.

syn. *aduncella* ZELLER, Verh. zool.-bot. Ges. Wien, xviii, 614, 1868; *aderusella* RILEY, Smith's List Lep. Bor. Am., no. 5299, 1891.

5712. **tristrigella** WALSINGHAM, Trans. Am. Ent. Soc., x, 181, 1882; COQUILLETT, Pap., iii, 91, 1883; COMSTOCK, Fifth Rept. U. S. Ent. Comm., 639, 1890; BUSCK, Can. Ent., xxxiii, 15, 1901. — Ill., Kans.

5713. **levipedella** CLEMENS, Proc. Ent. Soc. Phil., ii, 4, 1863; FREY & BOLL, Stett. ent. Zeit., xxxix, 251, 1878; BUSCK, Can. Ent., xxxiii, 15, 1901. — Atl. States.

GELECHIA Hübner.

HÜBNER, Verz. bek. Schmett., 415, 1816; *Catastega*[a] CLEMENS, Proc. Ent. Soc. Phil., i, 87, 1861; *Cirrha* CHAMBERS, Can. Ent., iv, 146, 1872; *Oeseis* CHAMBERS, Cin. Quart. Jn. Sci., ii, 255, 1875; *Pseudochelaria* DIETZ, Ent. News, xi, 252, 1900.

5714. **cercerisella** CHAMBERS, Can. Ent., iii, 108, 129, 147, 1872; WALSINGHAM, Trans. Am. Ent. Soc., x, 177, 1882. — So. Atl. States.

syn. *olympiadella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 259, 1873; CHAMBERS, Can. Ent., ix, 24, 1877.

5715. **quinella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 260, 1873; CHAMBERS, Can. Ent., ix, 23, 1877. — Tex.

5716. **arizonella** BUSCK, Proc. U. S. Nat. Mus., xxv, 856, 1903. — Ariz.

5717. **coloradensis** BUSCK, Proc. U. S. Nat. Mus., xxv, 857, 1903. — Col.

5718. **trialbamaculella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 250, 1875. — Tex., Atl. States.

syn. *epigæella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 289, 1881.

5719. **confusella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 251, 1875. — Mich.

syn. *persicæella* MURTFELDT, Rept. Mich. State Agr. Col., 1899; Can. Ent., xxxii, 164, 1900.

5720. **bimaculella** CHAMBERS, Can. Ent., iv, 108, 129, 147, 1872. — Tex., Ky., D. C.

syn. *ternariella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 264, 1873; *sylræcolella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 86, 1878.

5721. **continuella** ZELLER, Isis, 198, 1839; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2597, 1901; MÖSCHLER, Wien. ent. Mon., 200, 1864; GROTE, Can. Ent., iv, 126, 1872. — Lab., Can., Eur.

syn. *trimaculella* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 61, 1867; *albomaculella* CHAMBERS, Can. Ent., vii, 209, 1875.

5722. **ribesella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 290, 1875; Bull. Geol. Surv. Terr., iii, 128, 1877; DYAR, Proc. U. S. Nat. Mus., xxv, 407, 1902. — Col.

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[a] This genus, with the species 5777, 5807, and 5830, are referable to the Tortricidæ.—HARRISON G. DYAR.

5723. **trophella** BUSCK, Proc. U. S. Nat. Mus., xxv, 860, 1903. — Col.

5724. **lugubrella** FABRICIUS, Ent. Syst., iii, 2, 299, 54, 1794; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2617, 1901. — Me., Eur.

5725. **albilorella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 261, 1873. — Tex., Ariz.
syn. *trifasciella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 252, 1875; Can. Ent., ix, 24, 1877.

5726. **dentella** BUSCK, Proc. U. S. Nat. Mus., xxv, 862, 1903. — Ariz.

5727. **sistrella** BUSCK, Proc. U. S. Nat. Mus., xxv, 862, 1903. — Ariz.

5728. **abdominella** BUSCK, Proc. U. S. Nat. Mus., xxv, 863, 1903. — Ariz.

5729. **basquella** CHAMBERS, Can. Ent., vii, 92, 124, 1875. — Tex., Atl. States, W. I.
syn. *bosquella* CHAMBERS, Bull. U. S. Geol. Surv. Terr., iv, 87, 1878; WALSINGHAM, Trans. Am. Ent. Soc., x, 178, 1882; Proc. Zool. Soc. Lond., 75, 1897; *costipunctella* MÖSCHLER, Abh. Senck. Ges., xvi, 344, 1889; WALSINGHAM, Proc. Zool. Soc. Lond., 519, 1892.

5730. **paulella** BUSCK, Proc. U. S. Nat. Mus., xxv, 865, 1903. — Cal., Ariz.

5731. **unifasciella** BUSCK, Proc. U. S. Nat. Mus., xxv, 865, 1903. — Ariz.

*5732. **packardella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 143, 1877. — Col.

5733. **aristella** BUSCK, Proc. U. S. Nat. Mus., xxv, 866, 1903. — Ariz.

5734. **thoracealbella** CHAMBERS, Can. Ent., vi, 255, 1874; Cin. Quart. Jn. Sci., ii, 252, 1875. — Tex.

*5735. **minimaculella** CHAMBERS, Can. Ent., vi, 235, 1874. — Tex.
syn. *minimmaculella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 145, 1878.

5736. **ochreosuffusella** CHAMBERS, Can. Ent., vi, 236, 1874; Cin. Quart. Jn. Sci., ii, 255, 1875. — Tex., Col.
syn. *depressostrigella* CHAMBERS, Can. Ent., vi, 236, 1874; Bull. Geol. Surv. Terr., iii, 142, 1878; *depussostrigella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 255, 1875.

5737. **striatella** BUSCK, Proc. U. S. Nat. Mus., xxv, 868, 1903. — Ariz.

5738. **ochreostrigella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 247, 1875; Can. Ent., x, 54, 1878. — Cal.

5739. **hibiscella** BUSCK, Proc. U. S. Nat. Mus., xxv, 869, 1903. — D. C.

5740. **cockerelli** BUSCK, Proc. U. S. Nat. Mus., xxv, 871, 1903. — N. Mex., Ariz.

5741. **variabilis** BUSCK, Proc. U. S. Nat. Mus., xxv, 871, 1903. — Col., Cal.

5742. **trilineella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 125, 1877. — Col.

5743. **bianulella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 225, 1875. — Col.

syn. *ocellella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 126, 1877; *ocelella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 145, 1878.

5744. **discoocellella** CHAMBERS, Can. Ent., iv, 194, 1872. — Ky., Tex., Ill., Kans., Atl. States.

syn. *discooocelella* CHAMBERS, Can. Ent., vi, 231, 1874; *discooocella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 237, 1875; *discooocella* COQUILLETT, Pap., iii, 98, 1883; *discocella* DIETZ, Smith's List Ins. N. J., 474, 1900; *violaceofusca* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 258, 1873.

5745. **anarsiella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 126, 1877; DYAR, Proc. U. S. Nat. Mus., xxv, 407, 1902. — Col.

5746. **pravinominella** CHAMBERS, Can. Ent., x, 50, 1878; DYAR, Proc. U. S. Nat. Mus., xxv, 407, 1902. — Col.

syn. *quadrimacalella* CHAMBERS (not CHAMBERS), Cin. Quart. Jn. Sci., ii, 290, 1875; Bull. Geol. Surv. Terr., iii, 128, 1877.

5747. **barnesiella** BUSCK, Proc. U. S. Nat. Mus., xxv, 875, 1903. — Col.

5748. **lindenella** BUSCK, Proc. U. S. Nat. Mus., xxv, 876, 1903. — Col.

5749. **dyariella** BUSCK, Proc. U. S. Nat. Mus., xxv, 877, 1903. — Col.

5750. **albisparsella** CHAMBERS, Can. Ent., iv, 92, 128, 1872. — Ky.

syn. *platanella* CHAMBERS, Can. Ent., iv, 146, 1872.

5751. **unctulella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 257, 1873. — Tex., Col., Ariz.

5752. **obscuroocelella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 254, 1875. — Tex., Ky.

syn. *obscuroocella* RILEY, Smith's List Lep. Bor. Am., no. 5424, 1891.

5753. **versutella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 253, 1873. — Tex., Col., Wyo.

*5754. **lynceella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 255, 1873. — Tex.

5755. **bicostomaculella** CHAMBERS, Can. Ent., iv, 127, 147, 1872; DIETZ, Smith's List Ins. N. J., 474, 1900. — Ky., Atl. States.

syn. *quercifoliella* CHAMBERS, Can. Ent., iv, 206, 1872; v, 174, 1873; *gibbosella* CHAMBERS (not STAINTON), Can. Ent., v, 72, 1873.

5756. **nigrimaculella** BUSCK, Proc. U. S. Nat. Mus., xxv, 880, 1903. — N. Y.

5757. **maculimarginella** CHAMBERS, Can. Ent., vi, 241, 1874. — Tex., Atl. States.

syn. *maculomarginella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 144, 1878.

5758. **biminimaculella** CHAMBERS, Cin. Jn. Nat. Hist., ii, 183, 1880. — Tex., Mo.

5759. **pseudoacaciella** CHAMBERS, Can. Ent., iv, 9, 107, 129, 147, 1872; Cin. Quart. Jn. Sci., i, 208, 1874; Psyche, iii, 65, 1880. — Atl. States, Tex., Ky.

syn. *cæcella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 252, 1873.

5760. **serotinella** BUSCK, Proc. U. S. Nat. Mus., xxv, 882, 1903. — Atl. States, Col.

5761. **vernella** MURTFELDT, Can. Ent., xv, 139, 1883. — Mo., Atl. States.

syn. *formosella* MURTFELDT (not HÜBNER), Can. Ent., xiii, 243, 1881.

5762. **sequax** HAWORTH, Lep. Brit., 552, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2741, 1901; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 265, 1873. — Mass., Eur.

*5763. **occidentella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 246, 1875. — Cal.

5764. **mediofuscella** CLEMENS, Proc. Ent. Soc. Phil., ii, 11, 121, 1863. — Tex., Ky., Atl. States.

syn. *vagella* WALKER, Cat. Brit. Mus., xxix, 596, 1864; WALSINGHAM, Trans. Am. Ent. Soc., x, 178, 1882; *fuscoochrella* CHAMBERS, Can. Ent., iv, 106, 1872; *liturosella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 265, 1873.

5765. **walsinghami** DIETZ, Ent. News, xi, 352, 1900; WALSINGHAM & DURRANT, Ent. Mo. Mag., xxxviii, 28, 1902. — Pa.

*5766. **pennsylvanica** DIETZ, Ent. News, xi, 353, 1900; WALSINGHAM & DURRANT, Ent. Mo. Mag., xxxviii, 29, 1902. — Pa.

*5767. **tephriasella** CHAMBERS, Can. Ent., iv, 68, 1872; Cin. Quart. Jn. Sci., ii, 253, 1875; WALSINGHAM, Trans. Am. Ent. Soc., x, 181, 1882. — Ky.

5768. **conclusella** WALKER, Cat. Brit. Mus., xxix, 593, 1864; WALSINGHAM, Trans. Am. Ent. Soc., x, 179, 1882. — Atl. States.

syn. *grissefasciella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 253, 1875.

5769. **rileyella** CHAMBERS, Can. Ent., iv, 106, 147, 1872; BUSCK, Proc. U. S. Nat. Mus., xxv, 887, 1903. — Ky.

5770. **nundinella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 256, 1873. — Tex., Mo., Atl. States.

syn. *beneficentella* MURTFELDT, Can. Ent., xiii, 245, 1881.

5771. **monumentella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 125, 1877. — Col.

5772. **obscurosuffusella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 90, 1878. — Tex.

5773. **petasitis** PFAFFENZELLER, Stett. ent. Zeit., xxviii, 79, 1867; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2588, 1901; WALSINGHAM, Trans. Am. Ent. Soc., x, 178, 1882. — Atl. States, Eur.

5774. **panella** BUSCK, Proc. U. S. Nat. Mus., xxv, 889, 1903. — Ariz.

5775. **abella** BUSCK, Proc. U. S. Nat. Mus., xxv, 889, 1903. — Col.

5776. **fuscotæniaella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 89, 1878. — Tex., Col.

syn. *fuscotanniella* RILEY, Smith's List Lep. Bor. Am., no. 5473, 1891; *fuscolinianella* RILEY, Smith's List Lep. Bor. Am., no. 5370, 1891.

*5777. **aceriella** CLEMENS, Proc. Ent. Soc. Phil., i, 87, 1861. — Pa.

*5778. **adaptella** WALKER, Cat. Brit. Mus., xxix, 590 1864. — Can.

*5779. **albistrigella** CHAMBERS, Can. Ent., iv, 171, 1872; HAGEN, Pap., iv, 98, 1884. — Ky.

*5780. **ambrosiæella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 239, 1875. — Ky.

*5781. **amorphæella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 126, 1877. — Col.

*5782. **angustipennella** CLEMENS, Proc. Ent. Soc. Phil., ii, 119, 1863. — Pa.?

*5783. **argentialbella** CHAMBERS, Can. Ent., vi, 241, 1874. — Tex.

*5784. **attritella** WALKER, Cat. Brit. Mus., xxix, 592, 1864. — Oreg.

*5785. **aurimaculella** CHAMBERS, Can. Ent., iv, 172, 1872. — Ky.
syn. *discomaculella* CHAMBERS, Can. Ent., iv, 172, 1872; Cin. Quart. Jn. Sci., ii, 239, 1875.

*5786. **badiomaculella** CHAMBERS, Can. Ent., iv, 192, 1872. — Ky.

*5787. **bistrigella** CHAMBERS, Can. Ent., iv, 92, 147, 1872. — Can.

*5788. **brumella** CLEMENS, Proc. Ent. Soc. Phil., ii, 416, 1864. — Lab.

*5789. **canopulvella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 91, 1878. — Tex.

*5790. **capiteochrella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 252, 1875. — (Unknown.)

*5791. **caryævorella** PACKARD, Rept. Dept. Agr., 1885, 331, 1886. — R. I.

*5792. **cassella** WALKER, Cat. Brit. Mus., xxix, 594, 1864. — No. Am.

*5793. **decemmaculella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 290, 1875; Bull. Geol. Surv. Terr., iii, 128, 1877. — Col.

*5794. **brackenridgella** BUSCK. — Pa.
syn. *detersella* CLEMENS (not ZELLER), Proc. Acad. Nat. Sci. Phil., 164, 1860.

*5795. **discoannulella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 254, 1875. — (Unknown.)

*5796. **discostrigella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 248, 1875. — Cal.

*5797. **flavicorporella** WALSINGHAM, Trans. Am. Ent. Soc., x, 177, 1882. — Mass.

*5798. **flexurella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 163, 1860; Proc. Ent. Soc. Phil., ii, 122, 1863. — Pa.

*5799. **fuscoluteella** CHAMBERS, Can. Ent., iv, 106, 129, 147, 1872. — Ky.

*5800. **fuscomaculella** CHAMBERS, Can. Ent., iv, 170, 1872. — Ky.

*5801. **fuscopunctella** CLEMENS, Proc. Ent. Soc. Phil., ii, 12, 121, 1863. — Pa.?

*5802. **gilvomaculella** CLEMENS, Proc. Ent. Soc. Phil., ii, 12, 121, 1863. — Pa.?

*5803. **glycyrrhizæella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 124, 1877. — Col.

*5804. **grisella** CHAMBERS, Can. Ent., iv, 171, 1872. — Ky.

*5805. **griseaella** CHAMBERS, Can. Ent., iv, 88, 1872. — Can.

syn. *griseella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 144, 1878.

*5806. **griseochrella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 247, 1875. — Cal.

*5807. **hamameliella** CLEMENS, Proc. Ent. Soc. Phil., i, 87, 1861. — (Unknown.)

*5808. **labradorica** MÖSCHLER, Can. Ent., iv, 125, 1872. — Lab.

*5809. **labradoriella** CLEMENS, Proc. Ent. Soc. Phil., ii, 12, 120, 1863. — Lab.

*5810. **lacteusochrella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 244, 1875. — Cal.

*5811. **liturella** WALKER, Cat. Brit. Mus., xxix, 591, 1864. — Nova Scotia.

*5812. **maculatusella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 245, 1875. — Cal.

*5813. **milleriella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 253, 1875. — (Unknown.)

*5814. **mimella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 163, 1860; Proc. Ent. Soc. Phil., ii, 121, 1863. — Pa.?

*5815. **obscurella** CHAMBERS, Can. Ent., iv, 170, 1872. — Ky.

*5816. **obscurusella** CHAMBERS, Can. Ent., iv, 106, 128, 148, 1872. — Ky.

syn. *fuscopulvella* CHAMBERS, Can. Ent., iv, 170, 1872.

*5817. **ocherfuscella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 249, 1875. — Cal.

syn. *ochreofuscella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 145, 1878.

*5818. **ornatifimbriella** CLEMENS, Proc. Ent. Soc. Phil., ii, 420, 1864. — Ill.

*5819. **pallidegrisseella** CHAMBERS, Can. Ent., vi, 237, 1875. — Tex.

*5820. **palpialbella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 253, 1875. — (Unknown.)

syn. *palpialella* RILEY, Smith's List Lep. Bor. Am., no. 5441, 1891.

*5821. **parvipulvella** CHAMBERS, Can. Ent., vi, 242, 1874. — Tex.

*5822. **pullifimbriella** CLEMENS, Proc. Ent. Soc. Phil., ii, 120, 1863. — Pa.?

*5823. **pullusella** CHAMBERS, Can. Ent., vi, 237, 1874. — Tex.

*5824. **punctiferella** CLEMENS, Proc. Ent. Soc. Phil., ii, 119, 1863. — Pa.?

*5825. **simpliciella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 238, 1875. — Ky.

*5826. **subalbusella** CHAMBERS, Can. Ent., vi, 242, 1874. — Tex.

*5827. **suffusella** CHAMBERS, Can. Ent., iv, 171, 1872. — Ky.

*5828. **thoraceochrella** CHAMBERS, Can. Ent., iv, 169, 1872. — Ky.

*5829. **thoracestrigella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 245, 1875. — Cal.

*5830. **timidella** CLEMENS, Proc. Ent. Soc. Phil., i, 87, 1861. — Minn.

*5831. **unistrigella** CHAMBERS, Can. Ent., v, 176, 1873. — Ky.

*5832. **versicolorella** CHAMBERS, Can. Ent., iv, 127, 147, 1872. — Ky.

*5833. **wacoella** CHAMBERS, Can. Ent., vi, 237, 1874. — Tex.

Family XYLORICTIDÆ.

STENOMA Zeller.

ZELLER, Isis, 195, 1839.

5834. **schlægeri** ZELLER, Linn. Ent., ix, 372, 1854; x, 158, 1855; Verh. zool.-bot. Ges. Wien, xxiii, 246, 1873; WALSINGHAM, Ins. Life, ii, 152, 1889. — Atl. States.

5835. **leucillana** ZELLER, Linn. Ent., ix, 370, 1854; WALSINGHAM, Ins. Life, ii, 153, 1889. — Ga.

5836. **humilis** ZELLER, Linn. Ent., x, 156, 1855; WALSINGHAM, Ins. Life, ii, 154, 1889. — N. C., Tex.

syn. *nubeculosa* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 245, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 175, 1882; *canusella* CHAMBERS, Can. Ent., vi, 235, 1874.

5837. **crambitella** WALSINGHAM, Ins. Life, ii, 154, 1889. — Ariz.

5838. **furcata** WALSINGHAM, Ins. Life, ii, 153, 1889. — Ariz.

*5839. **algidella** WALKER, Cat. Brit. Mus., xxix, 710, 1864; WALSINGHAM, Ins. Life, ii, 153, 1889. — Nova Scotia.

IDE Chambers.

CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 180, 1879; WALSINGHAM, Ins. Life, ii, 155, 1889.

*5840. **osseella** WALSINGHAM, Ins. Life, ii, 155, 1889. — Cal.

5841. **vestalis** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 247, 1873; WALSINGHAM, Ins. Life, ii, 155, 1889. — Tex., Fla., S. C.

syn. *albella* CHAMBERS, Can. Ent., vi, 234, 1874.

5842. **lithosina** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 244, 1873; WALSINGHAM, Ins. Life, ii, 155, 1889. — Tex., Fla.

syn. *tortriella* CHAMBERS, Can. Ent., vi, 235, 1874; Bull. Geol. Surv. Terr., iii, 122, 141, 1877.

Family ŒCOPHORIDÆ.

EUMEYRICKIA Busck.

BUSCK, Jn. N. Y. Ent. Soc., x, 94, 1902.

5843. **trimaculella** FITCH, Rep. Ins. N. Y., ii, 233, 1856; BUSCK, Jn. N. Y. Ent. Soc., x, 94, 1902. — No. Atl. States.

syn. *albapulvella* CHAMBERS, Can. Ent., vii, 147, 1875; *haustellata* WALSINGHAM, Trans. Am. Ent. Soc., x, 173, 1882.

CRYPTOLECHIA Zeller.

ZELLER, Lep. Mier., 106, 1852; WALSINGHAM, Ins. Life, ii, 150, 1889.

5844. **sparsiciliella** CLEMENS, Proc. Ent. Soc. Phil., ii, 430, 1863; Tin. No. Am., 255, 1872. — Atl. States.

syn. *contrariella* WALKER, Cat. Brit. Mus., xxix, 771, 1864; WALSINGHAM, Proc. Zool. Soc. Lond., 85, 1880; *atropicta* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 343, 1875; *sparsiella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 129, 1878.

5845. **concolorella** BEUTENMÜLLER, Ent. Amer., iv, 30, 1888; WALSINGHAM, Ins. Life, ii, 152, 1889. — Nev.

5846. **cretacea** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 243, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 176, 1882. — Tex.

*5847. **ferruginosa** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 243, 1873. — Ohio.

*5848. **obscuromaculella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 86, 1878. — Tex.

*5849. **obsoletella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 242, 1873. — Ohio.

*5850. **piperatella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 239, 1873. — Tex.

5851. **quercicella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 212, 1860; Tin. No. Am., 159, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 240, 1873; WALSINGHAM, Ins. Life, ii, 151, 1889. — Atl. States.

syn. *cressonella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 85, 1878; *fuginella* CHAMBERS, Can. Ent., iv, 131, 1872; vi, 231, 1874; Bull. Geol. Surv. Terr., iv, 84, 1878; *cryptolechiella* CHAMBERS, Can. Ent., iv, 91, 131, 1872; Bull. Geol. Surv. Terr., iv, 84, 1878; *dubitatella* ZELLER, Hor. Soc. Ent. Ross., 262, 1887.

5852. **reflexella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 212, 1860; Tin. No. Am., 149, 1872; WALSINGHAM, Ins. Life, ii, 151, 1889. — Pa.

syn. *reflexa* CHAMBERS, Bull. Geol. Surv. Terr., iv, 137, 1878.

MACHIMIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 211, 1860; Tin. No. Am., 147, 1872.

5853. **tentoriferella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 212, 1860; Tin. No. Am., 148, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, 238, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 84, 1878. — Atl. States.

syn. *confertella* WALKER, Cat. Brit. Mus., xxix, 563, 1864; WALSINGHAM, Proc. Zool. Soc. Lond., 312, 1881; *fernaldella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 83, 1878.

DEPRESSARIA Haworth.

HAWORTH, Lep. Brit., 505, 1812; CLEMENS, Tin. No. Am., 229, 1872; BUSCK, Proc. U. S. Nat. Mus., xxiv, 731–749, 1902.

5854. **atrodorsella** CLEMENS, Proc. Ent. Soc. Phil., ii, 124, 1863; Tin. No. Am., 230, 1872; PACKARD, Guide Stud. Ins., 349, 1869; CHAMBERS, Can. Ent., iv, 91, 1872; ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 156, 1868; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 233, 1873. — Atl. States.

5855. **umbraticostella** WALSINGHAM, Proc. Zool. Soc. Lond., 318, 1881. — Cal. Col.

*5856. **thoracenigræella** CHAMBERS, Cinn. Quart. Jn. Sci., ii, 246, 1875. — Cal.

5857. **gracilis** WALSINGHAM, Ins. Life, i, 257, 1899. — Tex., Col.

5858. **pulvipennella**, CLEMENS, Proc. Ent. Soc. Phil., ii, 421, 1864; Tin. No. Am., 244, 1872; ROBINSON, Ann. Lyc. Nat. Hist. N. Y., ix, 157, 1868; CHAMBERS, Can. Ent., iv, 91, 1872. — Atl. States.

syn. *eupatoriella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 82, 1878; *solidaginis* WALSINGHAM, Ins. Life, i, 255, 1889.

5859. **arnicella** WALSINGHAM, Proc. Zool. Soc. Lond., 314, 1881. — Cal.

5860. **argillacea** WALSINGHAM, Proc. Zool. Soc. Lond., 313, 1881. — Cal.

5861. **sanguinella** BUSCK, Proc. U. S. Nat. Mus., xxiv, 739, 1902. — Ariz.

5862. **applana** FABRICIUS, Gen. Ins., 294, 1777; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3233, 1901; WALSINGHAM, Trans. Am. Ent. Soc., x, 175, 1882. — D. C., Eur.

syn. *applanella* FISCHER v. RÖSLERSTAMM, *cinctella* HÜBNER, *clemensella* CHAMBERS, Can. Ent., ix, 103, 1877.

5863. **ciliella** STAINTON, Cat. Brit. Ins., Tin., 17, 1849; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3234, 1901; WALSINGHAM, Proc. Zool. Soc. Lond., 316, 1881. — Cal., Eur.

5864. **fernaldella** WALSINGHAM, Ins. Life, i, 256, 1889. — Mass., Can.

5865. **psoraliella** WALSINGHAM, Proc. Zool. Soc. Lond., 317, 1881. — Cal.

5866. **novimundi** WALSINGHAM, Ins. Life, i, 256, 1889. — Col., Cal.

*5867. **thoracefasciella** CHAMBERS, Can. Ent., x, 50, 1878; Cin. Quart. Jn. Sci., ii, 246, 1875. — Cal.

5868. **klamathiana** WALSINGHAM, Proc. Zool. Soc. Lond., 314, 1881. — Cal.

5869. **ciniflonella** ZELLER, Isis, 280, 1846; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3221, 1901. — B. C., Eur.

5870. **nebulosa** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 237, 1873. — Mass.

5871. **fulva** WALSINGHAM, Trans. Am. Ent. Soc., x, 175, 1882. — (Unknown.)

5872. **amyrisella** BUSCK, Jn. N. Y. Ent. Soc., viii, 247, 1901. — Fla.

5873. **muricolorella** BUSCK, Proc. U. S. Nat. Mus., xxiv, 741, 1902. — Col.

5874. **curvilineella** BEUTENMÜLLER, Ent. Amer., v, 10, 1889. — N. Y., Can.

5875. **senicionella** BUSCK, Proc. U. S. Nat. Mus., xxiv, 742, 1902. — D. C., Va.

syn. *senieiella* BUSCK, Proc. U. S. Nat. Mus., xxiv, 743, 1902.

*5876. **sabulella** WALSINGHAM, Proc. Zool. Soc. Lond., 313, 1881. — Cal.

*5877. **arenella** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 137, 1776; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3204, 1901. — Cal., Eur.

syn. *gilvella* HÜBNER.

5878. **canadensis** BUSCK, Proc. U. S. Nat. Mus., xxiv, 744, 1902. — Can.

*5879. **lythrella** WALSINGHAM, Ins. Life, i, 257, 1889. — Ill.

5880. **posticella** WALSINGHAM, Proc. Zool. Soc. Lond., 315, 1881. — Cal., Col.

5881. **nubiferella** WALSINGHAM, Proc. Zool. Soc. Lond., 316, 1881. — Cal.

5882. **robiniella** PACKARD, Guide Stud. Ins., 349, 1869; CHAMBERS, Can. Ent., iv, 107, 1874; Cin. Quart. Jn. Sci., ii, 208, 1875. — So. Atl. States.

syn. *hilarella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 234, 1873.

5883. **lecontella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 174, 1860; Tin. No. Am., 137, 1872; CHAMBERS, Can. Ent., iv, 146, 1874; ROBINSON, Ann. N. Y. Lyc. Nat. Hist., ix, 157, 1868. — N. Y., Pa.

5884. **emeritella** STAINTON, Trans. Ent. Soc. Lond., v, 167, 1849; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3283, 1901; WALSINGHAM, Proc. Zool. Soc. Lond., 318, 1881. — Cal., Eur.

5885. **togata** WALSINGHAM, Ins. Life, i, 254, 1889. — Cal., Oreg.

5886. **betulella** BUSCK, Proc. U. S. Nat. Mus., xxiv, 746, 1902. — Pa.

5887. **nervosa** HAWORTH, Lep. Brit., 506, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3306, 1901; WALSINGHAM, Proc. Zool. Soc. Lond., 317, 1881. — Eur.

syn. *apiella* HÜBNER, *daucella* TREITSCHKE.

5888. **barberella** BUSCK, Proc. U. S. Nat. Mus., xxiv, 747, 1902. — Ariz.

5889. **heracliana** De Geer, Mém. Ins., ii, 407, 1771; Zeller, Isis, 305, 1839; Linn. Ent., ix, 312, 1854; Staudinger & Rebel, Cat. Lep. Eur., ii, no. 3280, 1901. — Atl. States, Eur.

syn. *heraclei* Retzius, Gen. Degeerii, 45, 1783; *umbellana* Fabricius, Ent. Syst., iii, 286, 1775; *umbellella* Zetterstedt, Ins. Lap., 999, 1840; *pastinacella* Duponchel, Hist. Nat., viii, 153, 1836; *ontariella* Bethune, Can. Ent., ii, 3, 19, 1870.

*5890. **groteella** Robinson, Ann. Lyc. Nat. Hist. N. Y., ix, 157, 1868. — Atl. States.

5891. **cinereocostella** Clemens, Proc. Acad. Nat. Sci. Phil., ii, 422, 1864; Tin. No. Am., 245, 1872; Chambers, Can. Ent., iv, 91, 1872; Robinson, Ann. Lyc. Nat. Hist. N. Y., ix, 155, 1868. — Pa., Va.

syn. *clausella* Walker, Cat. Brit. Mus., xxix, 564, 1864; Walsingham, Proc. Zool. Soc. Lond., 312, 1881; Ins. Life, i, 255, 1889.

*5892. **scabella** Zeller, Verh. zool.-bot. Ges. Wien, xxiii, 236, 1873. — Ohio.

SEMIOSCOPSIS Hübner.

Hübner, Verz. bek. Schmett., 402, 1816; *Enicostoma* Stephens, Cat. Brit. Ins., 296, 1829; *Epigraphia* Stephens, Cat. Brit. Ins., 304, 1829.

5893. **packardella** Clemens, Proc. Ent. Soc. Phil., ii, 125, 1863; Tin. No. Am., 231, 1872; Walsingham, Trans. Am. Ent. Soc., x, 174, 1882. — No. Atl. States.

syn. *eruditella* Grote, No. Am. Ent., i, 53, 1880.

5894. **allenella** Walsingham, Trans. Am. Ent. Soc., x, 174, 1882. — No. Atl. States.

*5895. **inornata** Walsingham, Trans. Am. Ent. Soc., x, 174, 1882. — (Unknown.)

ETHMIA Hübner.

Hübner, Verz. bek. Schmett., 163, 1816; Walsingham, Proc. Zool. Soc. Lond., 88, 1897; *Psecadia* Hübner, Verz. bek. Schmett., 412, 1816.

5896. **albicostella** Beutenmüller, Ent. Amer., v, 9, 1889. — Col.

5897. **albistrigella** Walsingham, Proc. Zool. Soc. Lond., 89, 1880. — Cal., Col.

5898. **arctostaphylella** Walsingham, Proc. Zool. Soc. Lond., 88, 1880. — Cal.

5899. **discostrigella** Chambers, Bull. Geol. Surv. Terr., iii, 122, 144, 1877; Walsingham, Ins. Life, i, 149, 1888. — Rocky Mts.

5900. **subcærulea** WALSINGHAM, Proc. Zool. Soc. Lond., 89, 1880. — Cal.

5901. **hagenella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 80, 1878. — Tex.

5902. **apicipunctella** CHAMBERS, Can. Ent., vii, 8, 1875. — Tex.

5903. **marmorea** WALSINGHAM, Ins. Life, i, 149, 1888. — Rocky Mts., Oreg.

5904. **mirusella** CHAMBERS, Can. Ent., vi, 233, 1874; Bull. Geol. Surv. Terr., iii, 121, 141, 1877. — Tex.

5905. **monticola** WALSINGHAM, Proc. Zool. Soc. Lond., 87, 1880. — Col.

5906. **obscurella** BEUTENMÜLLER, Ent. Amer., iv, 129, 1888. — Cal.

5907. **semilugens** ZELLER, Verh. zool.-bot. Ges. Wien, xxii, 561, 1872; CHAMBERS, Cin. Quart. Jn. Sci., ii, 258, 1875. — Tex.

syn. *multipunctella* CHAMBERS, Can. Ent., vi, 233, 1874.

5908. **semiopaca** GROTE, Bull. U. S. Geol. Surv., vi, 275, 1881. — Ariz., Col.

5909. **plumbeella** BEUTENMÜLLER, Ent. Amer., v, 9, 1889. — Tex.

*5910. **chambersella** DYAR. — Tex.

syn. *texanella* CHAMBERS (not CHAMBERS), Jn. Cin. Soc. Nat. Hist., ii, 179, 1880; WALSINGHAM, Ins. Life, i, 149, 1888.

*5911. **trifurcella** CHAMBERS, Can. Ent., v, 12, 1873; Bull. Geol. Surv. Terr., iv, 80, 1878. — Ky.

5912. **longimaculella** CHAMBERS, Can. Ent., iv, 43, 1872. — Ky., W. Va.

syn. *walsinghamella* BEUTENMÜLLER, Ent. Amer., v, 9, 1889.

5913. **zelleriella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 80, 1878. — Tex.

syn. *texanella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 2, 1880; WALSINGHAM, Ins. Life, i, 149, 1888.

5914. **fuscipedella** WALSINGHAM, Ins. Life, i, 150, 1888. — N. C., Iowa.

5915. **confusella** WALKER, Cat. Brit. Mus., xxviii, 531, 1863; WALSINGHAM, Proc. Zool. Soc. Lond., 88, 1897. — Fla., Antilles.

TRICLONELLA Busck.

Busck, Jn. N. Y. Ent. Soc., viii, 236, 1901.

5916. **pergandeella** Busck, Jn. N. Y. Ent. Soc., viii, 237, 1901. — D. C.

5917. **villella** Busck, Jn. N. Y. Ent. Soc., viii, 238, 1901. — Md.

EUCLEMENSIA Grote.

Grote, Can. Ent., x, 69, 1878; *Hamadryas* Clemens (not Hübner), Tin. No. Am., 245, 1872.

5918. **bassettella** Clemens, Proc. Ent. Soc. Phil., ii, 423, 1864; Tin. No. Am., 246, 1872; Chambers, Can. Ent., x, 53, 1878; vi, 231, 1874; Cin. Quart. Jn. Sci., ii, 115, 1875. — Atl. States.

5919. **schwarziella** Busck, Jn. N. Y. Ent. Soc., viii, 239, 1901. — Ariz.

EPICALLIMA Dyar.

Callima Clemens (not *Kallima* Westwood), Proc. Acad. Nat. Sci. Phil., 166, 1860.

5920. **argenticinctella** Clemens, Proc. Acad. Nat. Sci. Phil., 167, 1860; Tin. No. Am., 12, 46, 123, 1872; Chambers, Can. Ent., v, 188, 1873; Cin. Quart. Jn. Sci., ii, 114, 1875. — Atl. States.

ŒCOPHORA Latreille.

Latreille, Gen. Crust. Ins., iv, 222, 1796.

*5921. **boreasella** Chambers, Can. Ent., v, 189, 1873; Cin. Quart. Jn. Sci., ii, 114, 292, 1875; Bull. Geol. Surv. Terr., iii, 129, 141, 1877. — Ky.

*5922. **borkhausenii** Zeller, Isis, 192, 1839; Verh. zool.-bot. Ges. Wien, xxiii, 290, 1873; Staudinger & Rebel, Cat. Lep. Eur., ii, no. 3384, 1901. — Eur., D. C.

*5923. **coloradella** Walsingham, Ins. Life, i, 148, 1888. — Col.

*5924. **determinatella** Zeller, Verh. zool.-bot. Ges. Wien, xxiii, 289, 1873. — Tex.

syn. *australisella* Chambers, Can. Ent., vii, 124, 1875; ix, 24, 1877; Cin. Quart. Jn. Sci., ii, 114, 1875.

*5925. **dimidiella** Walsingham, Ins. Life, i, 148, 1888. — Col., Cal.

5926. **pseudospretella** Stainton, Cat. Brit. Ins., Tin., 14, 1849; Staudinger & Rebel, Cat. Lep. Eur., ii, no. 3358, 1901; Walsingham, Ins. Life, i, 149, 1888. — Eur., Pac. States.

*5927. **quadrimaculella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 292, 1875; Bull. Geol. Surv. Terr., iii, 129, 1877. — Col.

*5928. **shalleriella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 114, 1875. — Ky.

*5929. **thoracella** WALSINGHAM, Ins. Life, i, 147, 1888. — Col.

*5930. **constrictella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 291, 1873. — Tex.

CHAMBERSIA Riley.

RILEY, Smith's List Lep. Bor. Am., 103, 1891; *Blepharocera* CHAMBERS (not BLANCHARD), Bull. Geol. Surv. Terr., iii, 144, 1877.

*5931. **haydenella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 145, 1877. — Col.

DASYCERA Haworth.

HAWORTH, Lep. Brit., 524, 1829; STEPHENS, Cat. Brit. Ins., 297, 1829; CLEMENS, Proc. Ent. Soc. Phil., ii, 428, 1864.

*5932. **newmanella** CLEMENS, Proc. Ent. Soc. Phil., ii, 428, 1864; Tin. No. Am., 252, 1872; ZELLER, Verh. zool. bot. Ges. Wien, xxiii, 289, 1873. — Va.

*5933. **nonstrigella** CHAMBERS, Bull. Geol. Surv., iv, 92, 1878. — Ky.

BABAIAXA Busck.

BUSCK, Jn. N. Y. Ent. Soc., x, 95, 1902.

5935. **delliella** FERNALD, Can. Ent., xxiii, 29, 1891. — Tex.

Family BLASTOBASIDÆ.

PLOIOPHORA Dietz.

DIETZ, Trans. Am. Ent. Soc., xxvii, 102, 1900.

5936. **ampla** DIETZ, Trans. Am. Ent. Soc., xxvii, 103, 1900. — Pa.

5937. **fidella** DIETZ, Trans. Am. Ent. Soc., xxvii, 103, 1900. — Pa.

PIGRITIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 172, 1860; DIETZ, Trans. Am. Ent. Soc., xxvii, 104, 1900.

5938. **confusella** DIETZ, Trans. Am. Ent. Soc., xxvii, 104, 1900. — Pa., N. J.

*5939. **purpurella** DIETZ, Trans. Am. Ent. Soc., xxvii, 105, 1900. — Atl. States.

*5940. **basilarella** DIETZ, Trans. Am. Ent. Soc., xxvii, 105, 1900. — Atl. States.

5941. **laticapitella** CLEMENS. Proc. Acad. Nat. Sci. Phil., 173, 1860; Tin. No. Am., 41, 136, 1872; WALSINGHAM, Trans. Am. Ent. Soc., x. 190, 1882; DIETZ, Trans. Am. Ent. Soc., xxvii, 106, 1900. — Atl. States.

syn. *aufugella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii. 300, 1873; *aufugella* DIETZ, Trans. Am. Ent. Soc., xxvii, 119, 1900; *luteopulvella* CHAMBERS, Can. Ent., vii, 73, 1875.

5942. **mediofasciella** DIETZ, Trans. Am. Ent. Soc., xxvii, 107, 1900. — Pa.

5943. **ornatella** DIETZ, Trans. Am. Ent. Soc., xxvii, 107, 1900. — Pa.

5944. **angustipennella** DIETZ, Trans. Am. Ent. Soc., xxvii, 108, 1900. — Pa.

5945. **tristella** DIETZ, Trans. Am. Ent. Soc., xxvii, 108, 1900. — Pa.

5946. **spoliatella** DIETZ, Trans. Am. Ent. Soc., xxvii, 110, 1900. — Pa.

*5947. **arizonella** DIETZ, T[illegible] Am. Ent. Soc., xxvii, 109, 1900. — Ariz.

5948. **obscurella** DIETZ, Trans. Am. Ent. Soc., xxvii, 110, 1900. — Pa.

EPIGRITIA Dietz.

DIETZ, Trans. Am. Ent. Soc., xxvii, 110, 1900.

5949. **pallidotinctella** DIETZ, Trans. Am. Ent. Soc., xxvii, 111, 1900. — Pa.

5950. **heidemannella** DIETZ, Trans. Am. Ent. Soc. xxvii, 111, 1900. — Pa.

DRYOPE Chambers.

CHAMBERS, Can. Ent., vi, 49, 1874; DIETZ, Trans. Am. Ent. Soc., xxvii, 114, 1900.

*5951. **occidentella** DIETZ, Trans. Am. Ent. Soc., xxvii, 115, 1900. — Cal.

*5952. **tenebrella** DIETZ, Trans. Am. Ent. Soc., xxvii, 116, 1900. — Pa.

*5953. **minnicella** DIETZ, Trans. Am. Ent. Soc., xxvii, 116, 1900. — Ga.

5954. **grisella** DIETZ, Trans. Am. Ent. Soc., xxvii, 116, 1900. — Pa., Mo., S. Dak.

*5955. **fuscosuffusella** DIETZ, Trans. Am. Ent. Soc., xxvii, 117, 1900. — Mo.

5956. **ochrocomella** CLEMENS, Proc. Ent. Soc. Phil., ii, 126, 1864; Tin. No. Am., 232, 1872; DIETZ, Trans. Am. Ent. Soc., xxvii, 117, 1900. — Atl. States.

syn. *murtfeldtella* CHAMBERS, Can. Ent., vi, 50, 1874; *ochrocomella* DIETZ.

*5957. **canariella** DIETZ, Trans. Am. Ent. Soc., xxvii, 118, 1900. — Cal.

*5958. **discopunctella** DIETZ, Trans. Am. Ent. Soc., xxvii, 118, 1900. — Pa.

*5959. **ochreella** CLEMENS, Proc. Ent. Soc. Phil., ii, 126, 1864; Tin. No. Am., 232, 1872; DIETZ, Trans. Am. Ent. Soc., xxvii, 118, 1900. — Atl. States.

*5960. **fenyesella** DIETZ, Trans. Am. Ent. Soc., xxvii, 119, 1900. — Cal.

PSEUDOPIGRITIA Dietz.

DIETZ, Trans. Am. Ent. Soc., xxvii, 112, 1900.

5961. **dorsomaculella** DIETZ, Trans. Am. Ent. Soc., xxvii, 112, 1900. — Pa.

5962. **equitella** DIETZ, Trans. Am. Ent. Soc., xxvii, 112, 1900. — Pa.

*5963. **fraternella** DIETZ, Trans. Am. Ent. Soc., xxvii, 113, 1900. — Pa.

*5964. **argyreella** DIETZ, Trans. Am. Ent. Soc., xxvii, 113, 1900. — Pa.

HYPATIMA Hübner.

HÜBNER, Verz. bek. Schmett., 415, 1816.

*5965. **subsenella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 302, 1873. — Tex.

*5966. **confectella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 303, 1873. — Tex.

BLASTOBASIS Zeller.

ZELLER, Linn. Ent., x, 171, 1855; Verh. zool.-bot. Ges. Wien, xxiii, 295, 1873; WALSINGHAM, Proc. Zool. Soc. Lond., 91, 1897.

5967. **guilandinæ** BUSCK, Proc. U. S. Nat. Mus., xxiii, 234, 1900. — Fla.

*5968. **sciaphiella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 295, 1873; CHAMBERS, Can. Ent., ix, 71, 1877; BUSCK, Jn. N. Y. Ent. Soc., x, 96, 1902. — Tex.

*5969. **subtractella** WALKER, Cat. Brit. Mus., xxix, 592, 1864. — Nova Scotia.

HOLCOCERA Clemens.

CLEMENS, Proc. Ent. Soc. Phil., ii, 121, 1863.

5970. **chalcofrontella** CLEMENS, Proc. Ent. Soc. Phil., ii, 122, 1863; Tin. No. Am., 226, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 95, 1873; CHAMBERS, Can. Ent., iv, 65, 1872; vi, 246, 1874; Cin. Quart. Jn. Sci., ii, 256, 1875. — Atl. States.

*5971. **fluxella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 301, 1873. — Tex.

5972. **gigantella** CHAMBERS, Can. Ent., viii, 219, 1876; Bull. Geol. Surv. Terr., iii, 149, 1877. — Col.

*5973. **gilbociliella** CLEMENS, Proc. Ent. Soc. Phil., ii, 122, 1863; Tin. No. Am., 227, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 95, 1873. — Atl. States.

5974. **iceryæella** RILEY, Rept. Comm. Agr., 1886, 485, 1887. — Australia.

*5975. **modestella** CLEMENS, Proc. Ent. Soc. Phil., ii, 122, 1863; Tin. No. Am., 229, 1872. — Atl. States.

*5976. **purpurocomella** CLEMENS, Proc. Ent. Soc. Phil., ii, 122, 1863; Tin. No. Am., 229, 1872. — Atl. States.

5977. **quisquiliella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 298, 1873. — Tex.

*5978. **retectella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 297, 1873. — Tex.

5979. **glandulella** RILEY, Can. Ent., iii, 18, 1871; iv, 17, 38, 62, 65, 1872; Rep. Ins. Mo., iv, 144, 1871; CHAMBERS, Cin. Quart. Jn. Sci., ii, 256, 1875. — Atl. States.

*5980. **nubilella** ZELLER, Verh. zool. bot. Ges. Wien, xxiii, 297, 1873; xxv, 345, 1875; WALSINGHAM, Trans. Am. Ent. Soc., x, 191, 1882. — Tex.

*5981. **triangularisella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 256, 1875; Can. Ent., ix, 71, 1877. — Ky.

*5982. **livorella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 299, 1873. — Tex.

syn. *livolella* RILEY, Smith's List Lep. Bor. Am., 104, 1891.

*5983. **fuscopulvella** CHAMBERS, Bull. U. S. Geol. Surv., iv, 132, 1878 (not described).[a] — (Unknown.)

*5984. **fractilinea** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 298, 1873. — Tex.

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[a] Chambers credits Clemens with this species, but I have not found it in his writings.

*5985. **clemensella** CHAMBERS, Can. Ent., vi, 246, 1874. — Tex.

5986. **maligemmella** MURTFELDT, Mo. Agr. Exp. Sta., Bull. 42, 1898; STEDMAN, Can. Ent., xxx, 109, 1898; BUSCK, Jn. N. Y. Ent. Soc., x, 96, 1902. — Mo., Kans.

Family ELACHISTIDÆ.

COLEOPHORA Hübner.

HÜBNER, Tent., 1806; CLEMENS, Tin. No. Am., 210, 1872.

*5989. **accordella** WALSINGHAM, Trans. Ent. Soc. Lond., 436, 1882. — Cal.

*5990. **æneusella** CHAMBERS, Can. Ent., vi, 128, 1874. — Ky.
syn. *æneusella* RILEY, Smith's List Lep. Bor. Am., 105, 1891; *æneusella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 135, 1878.

5991. **acutipennella** WALSINGHAM, Trans. Ent. Soc. Lond., 440, 1882. — Cal.

*5992. **albacostella** CHAMBERS, Can. Ent., vii, 95, 1875; Bull. Geol. Surv. Terr., iv, 93, 1878. — Tex.

*5993. **argentialbella** CHAMBERS, Can. Ent., vi, 128, 1874; x, 112, 1878. — Ky.

*5994. **chambersella** DYAR. — Col.
syn. *artemisicolella* CHAMBERS (not BRUAND), Bull. Geol. Surv. Terr., iii, 133, 144, 1877.

5995. **atriplicivora** COCKERELL, Ann. Mag. Nat. Hist., (7), ii, 403, 1898. — N. Mex.

5996. **auropurpurella** CHAMBERS, Can. Ent., vi, 130, 1874. — Can.

*5997. **basistrigella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 133, 1877. — Col.

5998. **bella** WALSINGHAM, Trans. Ent. Soc. Lond., 439, 1882. — Cal.

*5999. **biminimaculella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 94, 1878. — Tex.

*6000. **bipunctella** WALSINGHAM, Trans. Ent. Soc. Lond., 440, 1882. — Tex.

6001. **bistrigella** CHAMBERS, Can. Ent., vii, 75, 1875; ix, 14, 72, 1877; x, 112, 1878; Jn. Cin. Soc. Nat. Hist., ii, 7, 1880; Bull. Geol. Surv. Terr., iii, 133, 1877. — Tex., Col.

*6002. **cœnosipennella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 5, 1860; Tin. No. Am., 88, 1872. — Pa.

6003. **caryæfoliella** CLEMENS, Proc. Ent. Soc. Phil., i, 78, 1861; Tin. No. Am., 166, 1872; CHAMBERS, Can. Ent., x, 112, 1878. — Pa.

syn. *rufoluteella* CHAMBERS, Can. Ent., vi, 129, 1874.

*6004. **castipennella** WALSINGHAM, Trans. Ent. Soc. Lond., 441, 1882. — Cal.

*6005. **cerasivorella** PACKARD, Seventeenth Ann. Rept. Mass. Bd. Agr., 239, 1870. — Mass.

6006. **cæspititiella** ZELLER, Isis, 208, 1839; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3845, 1901. — Eur., Ky.

syn. *sternipennella* ZETTERSTEDT, *lacunæcolella* DUPONCHEL, *ciliæochrella* CHAMBERS, Can. Ent., vi, 129, 1874; *cispiticella* HULST, Ent. Amer., vi, 40, 1890; *cespititiella* RILEY, Smith's List Lep. Bor. Am., 105, 1891.

6007. **cinerella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 93, 1878. — Ky.

*6008. **concolorella** CLEMENS, Proc. Ent. Soc. Phil., ii, 6, 1863; Tin. No. Am., 211, 1872; CHAMBERS, Can. Ent., vi, 129, 1874. — Pa.

6009. **cornella** WALSINGHAM, Trans. Ent. Soc. Lond., 432, 1882. — Cal.

6010. **spissicornis** HAWORTH, Lep. Brit., 537, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3680, 1901. — Atl. States, Eur.

syn. *fabriciella* VILLIERS, *mayrella* ZELLER, *trochilipennella* COSTA, *corruscipennella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 4, 1860; Tin. No. Am., 88, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 311, 1873.

*6011. **corylifoliella** CLEMENS, Proc. Ent. Soc. Phil., i, 79, 1863; Tin. No. Am., 166, 1872. — Pa.

*6012. **cratipennella** CLEMENS, Proc. Ent. Soc. Phil., iii, 506, 1864; Tin. No. Am., 258, 1872. — Pa.

*6013. **cretaticostella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 5, 1860; Tin. No. Am., 89, 1872; CHAMBERS, Can. Ent., vii, 124, 1875. — Pa.

*6014. **currucipennella** ZELLER, Isis, 207, 1839; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3791, 1901; WALSINGHAM, Trans. Ent. Soc. Lond., 430, 1882. — Eur., Atl. States.

syn. *tristrigella* HEINEMANN & WOCKE.

*6015. **discostriata** WALSINGHAM, Trans. Ent. Soc. Lond., 435, 1882. — Cal.

*6016. **fletcherella** FERNALD, Can. Ent., xxiv, 122, 1892; FLETCHER, Rept. Exp. Farms, 1891, 196, 1892; SLINGERLAND, Bull. 92, Corn. Exp. Sta., 1895. — Can.

6017. **fagicosticella** CHAMBERS, Can. Ent., vi, 129, 1874; x, 111, 1878. — Ky.

syn. *fagicorticella* CHAMBERS, Bull. Geol. Surv., iv, 135, 1878; *fragicorticella* RILEY, Smith's List Lep. Bor. Am., 106, 1891.

*6018. **fuscostrigella** CHAMBERS, Bull. Geol. Surv., iv, 93, 1878. — Tex.

6019. **gigantella** CHAMBERS, Can. Ent., vi, 128, 1874; x, 110, 1878. — Can.

6020. **glaucella** WALSINGHAM, Trans. Ent. Soc. Lond., 433, 1882. — Cal.

*6021. **infuscatella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 5, 1860; Tin. No. Am., 89, 1872. — Pa.

*6022. **inornatella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 185, 1879. — Tex.

*6023. **irroratella** WALSINGHAM, Trans. Ent. Soc. Lond., 434, 1882. — Cal.

*6024. **laricella** HÜBNER, Schm. Eur., 427, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3633, 1901. — Eur., U. S.?

syn. *laricinella* RATZEBURG.

*6025. **laticornella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 5, 1860; Tin. No. Am., 88, 1872. — Pa.

*6026. **leucochrysella** CLEMENS, Proc. Ent. Soc. Phil., ii, 6, 1863; Tin. No. Am., 211, 1872; WALSINGHAM, Trans. Am. Ent. Soc., x, 194, 1882. — Pa.

*6027. **lineapulvella** CHAMBERS, Can. Ent., x, 111, 1878. — Ky.

6028. **lynosyridella** WALSINGHAM, Trans. Ent. Soc. Lond., 437, 1882. — Cal.

6029. **luteocostella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 294, 1875; Bull. Geol. Surv. Terr., iii, 133, 1877. — Col.

syn. *argentella* CHAMBERS, Can. Ent., x, 112, 1878; *argentialbella* CHAMBERS (not CHAMBERS), Can. Ent., vii, 75, 1875; Bull. Geol. Surv. Terr., iii, 133, 1877.

6030. **malivorella** RILEY, Rept. Comm. Agr., 48, 1878; WALSINGHAM, Trans. Am. Ent. Soc., x, 194, 1882. — Atl. States.

syn. *multipulvella* CHAMBERS, Bull. U. S. Geol. Surv. Terr., iv, 93, 1878.

*6031. **nigralineella** CHAMBERS, Can. Ent., viii, 172, 1876. — Ky.

syn. *nigerlinella* CHAMBERS, Bull. Geol. Surv., iv, 136, 1878.

6032. **nigrostriata** WALSINGHAM, Trans. Ent. Soc. Lond., 438, 1882. — Oreg.

*6033. **ochrella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 94, 1878. — Ky.

*6034. **pruniella** CLEMENS, Proc. Ent. Soc. Phil., i, 79, 1861; Tin. No. Am., 167, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 309, 1873. — Atl. States.

syn. *occidentis* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 309, 1873; *occidentalis* RILEY, Smith's List Lep. Bor. Am., 106, 1891.

6035. **ochrostriata** WALSINGHAM, Trans. Ent. Soc. Lond., 437, 1882. — Cal.

6036. **octagonella** WALSINGHAM, Trans. Ent. Soc. Lond., 431, 1882. — Fla.

*6037. **ostryæ** CLEMENS, Proc. Ent. Soc. Phil., i, 79, 1861; Tin. No. Am., 167, 1872. — Atl. States.

6038. **portulacæ** COCKERELL, Ann. Mag. Nat. Hist., (7), ii, 328, 1898. — N. Mex.

*6039. **quadrilineella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 94, 1878. — Ky.

*6040. **querciella** CLEMENS, Proc. Ent. Soc. Phil., i, 80, 1861; Tin. No. Am., 168, 1872. — Pa.

*6041. **rosacella** CLEMENS, Proc. Ent. Soc. Phil., ii, 426, 1864; Tin. No Am., 251, 1872; PACKARD, Guide Stud. Ins., 350, 1869. — Pa.

*6042. **rosæfoliella** CLEMENS, Proc. Ent. Soc. Phil., ii, 426, 1864; Tin. No. Am., 250, 1872; PACKARD, Guide Stud. Ins., 350, 1869. — Atl. States.

*6043. **shaleriella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 116, 1875. — Ky.

*6044. **sparsipulvella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 294, 1875; Bull. Geol. Surv. Terr., iii, 133, 1877. — Col.

6045. **suædicola** COCKERELL, Ann. Mag. Nat. Hist., (7), ii, 403, 1898. — N. Mex.

*6046. **tenuis** WALSINGHAM, Trans. Ent. Soc. Lond., 436, 1882. — Cal.

*6047. **texanella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 93, 1878. — Tex.

*6048. **tiliæfoliella** CLEMENS, Proc. Ent. Soc. Phil., i, 79, 1861; Tin. No. Am., 168, 1872. — Pa.

6049. **trilineella** CHAMBERS, Can. Ent., vii, 95, 1875. — Ky.

*6050. **unicolorella** CHAMBERS, Can. Ent., vi, 129, 1874; x, 111, 1878. — Ky.

*6051. **veroniæella** CHAMBERS, Can. Ent., x, 114, 1878. — Ky., Mo.

*6052. **viburnella** CLEMENS, Proc. Ent. Soc. Phil., i, 79, 1861; Tin. No. Am., 167, 1872. — Pa.

*6053. **viridicuprella** WALSINGHAM, Trans. Ent. Soc. Lond., 432, 1882. — Cal., Oreg.

6054. **viscidiflorella** WALSINGHAM, Trans. Ent. Soc. Lond., 439, 1882. — Cal.

*6055. **wythiæ** WALSINGHAM, Trans. Ent. Soc. Lond., 434, 1882. — Cal.

*6056. **zelleriella** CHAMBERS, Can. Ent., vi, 128, 1874. — Ky.

COLEOTECHNISTES Chambers.

CHAMBERS, Rept. Dept. Agr., 206, 1879.

6057. **citriella** CHAMBERS, Rept. Dept. Agr., 206, 1879. — Fla.

BATRACHETRA Stainton.

STAINTON, Ins. Brit., Tin., iii, 230, 1854; CLEMENS, Tin. No. Am., 264, 1872.

*6058. **præangusta** HAWORTH, Ins. Brit., iii, 230, 1854; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3460, 1901; CHAMBERS, Bull. Geol. Surv. Terr., iii, 134, 1877; Can. Ent., ix, 145, 1877. — Eur.

6059. **rileyi** WALSINGHAM, Trans. Am. Ent. Soc., x, 198, 1882. — Gulf States.

6060. **salicipomonella** CLEMENS, Proc. Ent. Soc. Phil., v, 142, 1867; vi, 273, 1868; Tin. No. Am., 265, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 313, 1873; PACKARD, Guide Stud. Ins., 352, 1869; CHAMBERS, Can. Ent., ix, 145, 1877. — Atl. States.

6060. 1. **striolata** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 313, 1873. — Tex.

syn. *pulrella* CHAMBERS, Can. Ent., viii, 171, 1876; *clemensella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 134, 1877; Can. Ent., ix, 146, 1877.

COSMOPTERYX Hübner.

HÜBNER, Verz. bek. Schmett., 424, 1816; CLEMENS, Tin. No. Am., 99, 1872.

*6061. **chalybæella** WALSINGHAM, Ins. Life, i, 289, 1889. — Tex.

*6062. **clemensella** STAINTON, Tin. No. Am., 39, 100, 1872; Ent. Week. Int., ix, 31, 1860; FREY & BOLL, Stett. ent. Zeit., xxxvii, 214, 1876. — Pa.?

*6063. **delicatella** WALSINGHAM, Ins. Life, i, 290, 1889. — N. C.

*6064. **fernaldella** WALSINGHAM, Trans. Am. Ent. Soc., x, 197, 1882. — (Unknown.)

6065. **floridanella** BEUTENMÜLLER, Ent. Amer., v, 10, 1889. — Fla.

syn. *nigrapunctella* BUSCK, Proc. U. S. Nat. Mus., xxiii, 235, 1900.

6066. **gemmiferella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 10, 1860; Tin. No. Am., 99, 1872; CHAMBERS, Cin. Quart. Jn. Sci., ii, 231, 1875; FREY & BOLL, Stett. ent. Zeit., xxxvii, 214, 1876; WALSINGHAM, Proc. Zool. Soc. Lond., 536, 1891. — Atl. States.

6067. **ipomœæ** BUSCK, Proc. U. S. Nat. Mus., xxiii, 235, 1900; DYAR, Proc. Ent. Soc. Wash., iv, 478, 1901. — Fla.

6068. **attenuatella** WALKER, Cat. Brit. Mus., xxx, 1019, 1864; WALSINGHAM, Proc. Zool. Soc. Lond., 105, 1897. — So. States.

syn. *lespedezæ* WALSINGHAM, Trans. Am. Ent. Soc., x, 198, 1882; Proc. Zool. Soc. Lond., 536, 1891.

6069. **minutella** BEUTENMÜLLER, Ent. Amer., v, 10, 1889. — Fla.

*6070. **montisella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 297, 1875; Bull. Geol. Surv. Terr., iii, 124, 1877. — Col.

*6071. **nitens** WALSINGHAM, Ins. Life, i, 289, 1899. — Tex.

6072. **pulcherrimella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 231, 1875; WALSINGHAM, Ins. Life, i, 289, 1889. — Ky.

*6073. **quadrilineella** CHAMBERS, Bull. Geol. Sur. Terr., iv, 95, 1878; WALSINGHAM, Ins. Life, i, 290, 1889. — Tex.

*6074. **unicolorella** WALSINGHAM, Ins. Life, i, 291, 1889. — Cal.

SCELORTHUS Busck.

BUSCK, Jn. N. Y. Ent. Soc., viii, 239, 1901.

6075. **pisoniella** BUSCK, Jn. N. Y. Ent. Soc., viii, 240, 1901. — Fla.

ELACHISTA Treitschke.

TREITSCHKE, Schm. Eur., ix, 2, 177, 1833; CLEMENS, Tin. No. Am., 255, 1872; *Cosmoïtes* CLEMENS, Proc. Acad. Nat. Sci. Phil., 8, 1860.

*6076. **albapalpella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 294, 1880. — Mass.

*6077. **duplicatella** DYAR. Tex.
syn. *bicristatella* CHAMBERS (not CHAMBERS), Jn. Cin. Soc. Nat. Hist., ii, 187, 1879.

*6078. **brachyelytrifoliella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 425, 1860; Tin. No. Am., 248, 1872. Pa.

6079. **concolorella** CHAMBERS, Can. Ent., vii, 55, 1875. Ky.

*6080. **cristatella** CHAMBERS, Can. Ent., viii, 172, 1876. Ky.

*6081. **illicitella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 9, 1860; Tin. No. Am., 98, 1872; CHAMBERS, Bull. Geol. Surv. Terr., iv, 139, 1878. Pa.

*6082. **inornatella** CHAMBERS, Can. Ent., vii, 93, 1875. Ky.

*6083. **maculosella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 9, 1860; Tin. No. Am., 98, 1872; CHAMBERS, Bull. Geol. Surv., iv, 139, 1878. Pa.

*6084. **madarella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 9, 1860; Tin. No. Am., 98, 1872; CHAMBERS, Bull. Geol. Surv. Terr., iv, 139, 1878. Pa.

*6085. **metallifera** WALSINGHAM, Trans. Am. Ent. Soc., x, 200, 1882. Mass.?

*6086. **orichalcella** CLEMENS, Proc. Ent. Soc. Phil., ii, 430, 1864; Tin. No. Am., 256, 1872; PACKARD, Guide Stud. Ins., 352, 1869. Pa.

6087. **parvipulvella** CHAMBERS, Can. Ent., vii, 56, 1875. Ky.

6088. **præmaturella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 172, 1860; Tin. No. Am., 133, 1872; CHAMBERS, Can. Ent., vi, 76, 1874; Bull. Geol. Surv. Terr., iii, 143, 1877. Pa.

*6089. **pusilla** FREY & BOLL, Stett. ent. Zeit., xxxvii, 215, 1876. Tex.

*6090. **staintonella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 96, 1878. Tex.

*6091. **texanella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 96, 1878. Tex.

*6092. **texanica** FREY & BOLL, Stett. ent. Zeit., xxxvii, 216, 1876. Tex.

*6093. **unifasciella** CHAMBERS, Can. Ent., vii, 147, 1875. Ky.?

*6094. **bicristatella** CHAMBERS, Can. Ent., vii, 210, 1875. Ky.

*6095. **curvilineella** CHAMBERS, Can. Ent., iv, 172, 1872. Ky.

LYMNÆCIA Stainton.

STAINTON, Cat. Brit. Tin., suppl., 4, 1851.

6096. **phragmitiella** STAINTON, Cat. Brit. Tin., suppl., 4, 1851; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3592, 1901; MEYRICK, Hand. Brit. Lep., 675, 1895; BUSCK, Proc. Ent. Soc. Wash., iv, 421, 1901. — Atl. States, Eur.

LITHARIAPTERYX Chambers.

CHAMBERS, Can. Ent., viii, 217, 1876; Jn. Cin. Soc. Nat. Hist., ii, 203, 1880.

6097. **abroniæella** CHAMBERS, Can. Ent., viii, 217, 1876; Bull. Geol. Surv. Terr., iii, 124, 149, 1877; DYAR, Proc. U. S. Nat. Mus., xxv, 410, 1902. — Col.

LAMPROLOPHUS Busck.

BUSCK, Jn. N. Y. Ent. Soc., viii, 241, 1900.

6098. **lithella** BUSCK, Jn. N. Y. Ent. Soc., viii, 241, 1900. — Fla.

HELIODINES Stainton.

STAINTON, Ins. Brit. Lep., 243, 1854; WALSINGHAM, Ins. Life, iv, 384, 1892; Proc. Zool. Soc. Lond., 108, 1897.

6099. **bella** CHAMBERS, Can. Ent., vii, 73, 1875; ix, 72, 1877; Bull. Geol. Surv. Terr., iii, 114, 1877; WALSINGHAM, Ins. Life, iv, 384, 1892. — Ky., Tex., Col., Cal.

*6100. **extraneella** WALSINGHAM, Proc. Zool. Soc. Lond., 323, 1881; Ins. Life, iv, 385, 1892. — Cal.

*6101. **sexpunctella** WALSINGHAM, Ins. Life, iv, 385, 1892. — Ariz.

*6102. **tripunctella** WALSINGHAM, Ins. Life, iv, 384, 1892. — Tex.

*6103. **unipunctella** WALSINGHAM, Ins. Life, iv, 385, 1892. — Cal.

SCYTHRIS Hübner.

HÜBNER, Verz. bek. Schmett., 414, 1816; MEYRICK, Handb. Brit. Lep., 685, 1895; *Galanthia* HÜBNER, Verz. bek. Schmett., 417, 1816; *Butalis* TREITSCHKE, Schm. Eur., ix, 2, 108, 1833.

6104. **albapennella** CHAMBERS, Can. Ent., vii, 11, 1875. — Tex.

6105. **albilineata** WALSINGHAM, Ins. Life, i, 116, 1888. — Ariz.

*6106. **aterrimella** WALKER, Cat. Brit. Mus., xxix, 590, 1864. — Can.

6107. **basilaris** ZELLER, Linn. Ent., x, 230, 1855; STAINTON, Tin. No. Am., 40, 1872; WALSINGHAM, Ins. Life, i, 114, 1888. — Atl. States.

syn. *flavifrontella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 169, 1860; Tin. No. Am., 126, 1872; CHAMBERS, Can. Ent., vi, 8, 1874; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 292, 1873.

6108. **eboracensis** ZELLER, Linn. Ent., x, 205, 1855; Verh. zool.-bot. Ges. Wien, xxiii, 294, 1873. — N. Y., Tex.

*6109. **fuscicomella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 169, 1860; Tin. No. Am., 126, 1872; CHAMBERS, Can. Ent., vi, 8, 1874; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 292, 1873. — Pa.

6110. **impositella** ZELLER, Linn. Ent., x, 241, 1855; WALSINGHAM, Ins. Life, i, 113, 1888. — Atl. States.

syn. *matutella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 169, 1860; Tin. No. Am., 40, 127, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 292, 1873; WALSINGHAM, Ins. Life, i, 113, 1888; *monstratella* WALKER, Cat. Brit. Mus., xxix, 594, 1864; WALSINGHAM, Ins. Life, i, 113, 1888; *dorsipallidella* CHAMBERS, Can. Ent., vii, 10, 1875; *buristriga* CHAMBERS, Can. Ent., vii, 10, 1875; *brevistriga* CHAMBERS, Bull. Geol. Surv. Terr., iv, 93, 133, 1878; *brevistrigella* CHAMBERS, Can. Ent., vii, 54, 1875; *immaculatella* CHAMBERS, Can. Ent., vii, 10, 1875; Bull. Geol. Surv. Terr., iii, 144, 1877.

6111. **ochristriata** WALSINGHAM, Ins. Life, i, 115, 1888. — Cal.

6112. **perspicelella** WALSINGHAM, Ins. Life, i, 114, 1888. — Cal.

*6113. **pilosella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 293, 1873. — Mass.

6114. **plausipennella** CHAMBERS, Can. Ent., vii, 10, 1875. — Tex.

syn. *planipennella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 134, 1878.

6115. **suffusa** WALSINGHAM, Ins. Life, i, 114, 1888. — Cal.

6116. **trivinctella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 292, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 93, 1878. — Tex.

HELIOZELA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Schmett. Eur., v, 56, 1855.

6117. **æsella** CHAMBERS, Can. Ent., ix, 108, 1877. — Ky.

*6118. **gracilis** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 314, 1873. — Tex.

IDIOGLOSSA Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 272, 1881; *Idiostoma* MURTFELDT, Can. Ent., xv, 139, 1883; *Metamorpha* FREY & BOLL (not HÜBNER), Stett. ent. Zeit., xxxix, 277, 1878; WALSINGHAM, Can. Ent., xv, 239, 1883.

6119. **miraculosa** FREY & BOLL, Stett. ent. Zeit., xxxix, 278, 1878. — Tex.
syn. *americella* WALSINGHAM, Trans. Am. Ent. Soc., x, 199, 1882.

ANTISPILA Hübner.

HÜBNER, Verz. bek. Schmett., 419, 1816.

6120. **ampelopsiella** CHAMBERS, Can. Ent., vi, 168, 197, 1874; ix, 195, 1877; xi, 126, 1879. — Ky.

*6121. **cornifoliella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 11, 1860; Tin. No. Am., 103, 1872; CHAMBERS, Can. Ent., vi, 166, 170, 198, 1874; FREY & BOLL, Stett. ent. Zeit., xxxix, 253, 1878; CHAMBERS, Psyche, iii, 63, 1880. — Atl. States.

6122. **eugeniella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 236, 1900. — Fla.

*6123. **hydrangiæella** CHAMBERS, Can. Ent., vi, 170, 1874; ix, 195, 1877; xi, 126, 1879. — Ky.

6124. **isabella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 209, 1860; Tin. No. Am., 142, 1872; CHAMBERS, Can. Ent., vi, 167, 198, 1874. — Pa.
syn. *issabella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 129, 1878.

6125. **nyssæfoliella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 11, 1860; Tin. No. Am., 102, 1872; CHAMBERS, Psyche, iii, 63, 1880. — Atl. States.

*6126. **viticordifoliella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 209, 1860; Tin. No. Am., 142, 1872; CHAMBERS, Can. Ent., vi, 169, 198, 1874; FREY & BOLL, Stett. ent. Zeit., xxxix, 253, 1878; CHAMBERS, Psyche, iii, 63, 1880. — Atl. States.

STILBOSIS Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 170, 1860; Tin. No. Am., 40, 129, 1827.

6127. **tesquella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 170, 1860; WALSINGHAM, Trans. Am. Ent. Soc., x, 197, 1882. — Atl. States.
syn. *quinquecristatella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 293, 1880; *tesquatella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 162, 1878.

CYCLOPLASIS Clemens.

CLEMENS, Proc. Ent. Soc. Phil., ii, 420, 1864; Tin. No. Am., 246, 1872; WALSINGHAM, Proc. Zool. Soc. Lond., 143, 1897.

6128. **panicifoliella** CLEMENS, Proc. Ent. Soc. Phil., ii, 422, 1864; Tin. No. Am., 248, 1872; DYAR, Proc. Ent. Soc. Wash., iv, 479, 1901. — Atl. States, Fla.

ÆTIA Chambers.

CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 186, 1879.

*6129. **bipunctella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 187, 1879. — Tex.

THEISOA Chambers.

CHAMBERS, Can. Ent., vi, 75, 1874.

*6130. **constrictella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 291, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 165, 1878. — Tex.

syn. *bifasciella* CHAMBERS, Can. Ent., vi, 75, 1874; vii, 93, 1875; ix, 24, 1877.

*6131. **multifasciella** CHAMBERS, Can. Ent., vii, 93, 1875. — Tex.

CHRYSOPELEIA Chambers.

CHAMBERS, Can. Ent., vi, 72, 1874; *Exa* CHAMBERS, Can. Ent., vi, 73, 1874

*6132. **ostryæella** CHAMBERS, Can. Ent., vi, 74, 1874; viii, 172, 1876; xi, 9, 1879. — Ky.

*6133. **purpuriella** CHAMBERS, Can. Ent., vi, 73, 1874; xi, 9, 1879; Psyche, iii, 64, 1880. — Ky.

*6134. **quadricristatella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 186, 1879. — Tex.

ERIPHIA Chambers.[a]

Eriphia CHAMBERS (not LATREILLE), Can. Ent., vii, 55, 1875.

*6135. **concolorella** CHAMBERS, Can. Ent., vii, 55, 94, 1875; Bull. Geol. Surv. Terr., iii, 137, 1877. — Ky.

*6136. **albalineella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 95, 1878. — Tex.

*6137. **nigrilineella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 96, 1878. — Tex.

COPTODISCA Walsingham.

WALSINGHAM, Ent. Mo. Mag., xxxi, 41, 1895; Proc. Zool. Soc. Lond., 143, 1897; *Aspidisca* CLEMENS (not EHRENBERG), Proc. Acad. Nat. Sci. Phil., 209, 1860; Tin. No. Am., 143, 1872.

6138. **diospyriella** CHAMBERS, Can. Ent., vi, 217, 1874. — Ky.

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[a] Probably a synonym of *Mompha*.—AUG. BUSCK.

6139. **condaliæ** Busck, Proc. U. S. Nat. Mus., xxiii, 242, 1900. — Fla.

6140. **ella** Chambers, Can. Ent., iii, 224, 1871; vi, 152, 218, 1874. — Ky.

6141. **lucifluella** Clemens, Proc. Acad. Nat. Sci. Phil., 209, 1860; Tin. No. Am., 143, 1872; Chambers, Can. Ent., iii, 224, 1871; vi, 218, 1874; Psyche, iii, 64, 1880. — Pa.

*6142. **juglandiella** Chambers, Can. Ent., vi, 151, 218, 1874. — Ky.

*6143. **ostryæfoliella** Clemens, Proc. Ent. Soc. Phil., i, 82, 1861; Tin. No. Am., 171, 1872. — Pa.

6144. **saliciella** Chambers, Proc. Ent. Soc. Phil., i, 82, 1861; Tin. No. Am., 171, 1872; Chambers, Psyche, iii, 147, 1880. — Pa.

6145. **splendoriferella** Clemens, Proc. Acad. Nat. Sci. Phil., 12, 1860; Tin. No. Am., 105, 1872; Chambers, Can. Ent., iii, 23, 1871; v, 50, 1873; vi, 149, 219, 1874; Stainton, Ent. Mo. Mag., ix, 18, 1872. — Pa.

syn. *pruniella* Clemens, Proc. Ent. Soc. Phil., i, 82, 1861; *saccatella* Packard, Guide Stud. Ins., 355, 1869; Chambers, Can. Ent., iii, 223, 1871.

EPERMENIA Hübner.

Hübner, Verz. bek. Schmett., 418, 1816; *Chauliodus* Treitschke (not Schneider), Schm. Eur., ix, 2, 31, 1833.

*6146. **canicinctella** Clemens, Proc. Ent. Soc. Phil., ii, 129, 1863; Tin. No. Am., 236, 1872. — Pa.

6147. **pimpinella** Murtfeldt, Can. Ent., xxxii, 162, 1900. — Mo.

MOMPHA Hübner.

Hübner, Verz. bek. Schmett., 414, 1816; *Laverna* Curtis, Brit. Ent., 16, 1839; *Wilsonia* Clemens, Proc. Ent. Soc. Phil., iii, 428, 1864.

*6148. **albella** Chambers, Cin. Quart. Jn. Sci., ii, 295, 1875. — Col.

*6149. **albopalpella** Chambers, Cin. Quart. Jn. Sci., ii, 295, 1875. — Col.

*6150. **argentimaculella** Murtfeldt, Can. Ent., xxxii, 161, 1900. — Mo.

*6151. **bifasciella** Chambers, Can. Ent., viii, 158, 1876. — Cal.

6152. **brevivittella** CLEMENS, Proc. Ent. Soc. Phil., ii, 428, 1864; Tin. No. Am., 254, 1872. — Atl. States.

syn. *œnotherivorella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 293, 1880; WALSINGHAM, Trans. Am. Ent. Soc., x, 169, 1882; *œnotherœseminella* CHAMBERS, Can. Ent., viii, 138, 1876; xi, 6, 1879.

*6153. **circumscriptella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 312, 1873; CHAMBERS, Can. Ent., x, 239, 1878. — Tex.

*6154. **coloradella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 136, 1877. — Col.

6155. **decorella** STEPHENS, Ill. Brit. Ent., Haust., iv, 213, 1835; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3580, 1901; WALSINGHAM, Trans. Am. Ent. Soc., x, 196, 1882. — Eur., Cal.

syn. *unifasciella* CHAMBERS, Can. Ent., viii, 159, 1876.

*6156. **definitella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 311, 1873. — Tex.

syn. *unicristatella* CHAMBERS, Can. Ent., vii, 32, 1875; ix, 74, 1877.

6157. **eloisella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 171, 1860; Tin. No. Am., 131, 1872; CHAMBERS, Can. Ent., ix, 74, 1877; WALSINGHAM, Trans. Am. Ent. Soc., x, 195, 1882. — Pa.

syn. *magnatella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 315, 1873; CHAMBERS, Can. Ent., ix, 73, 1877; *œnotherœella* CHAMBERS, Can. Ent., vii, 30, 1875; *lyonetiella* CHAMBERS, Can. Ent., vii, 30, 51, 1875.

6158. **erransella** CHAMBERS, Can. Ent., vi, 52, 1874; vii, 52, 1875; ix, 187, 1877. — Ky.

syn. *unomaculella* CHAMBERS, Can. Ent., vii, 94, 1875; xi, 9, 1879.

*6159. **gleditschiæella** CHAMBERS, Can. Ent., viii, 135, 171, 1876; x, 232, 1878; xiii, 173, 1881; Psyche, iii, 66, 1880. — Ky.

*6160. **grandisella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 296, 1875. — Col.

*6161. **ignobilisella** CHAMBERS, Can. Ent., vii, 33, 51, 1875; xi, 8, 1879. — Tex.

6162. **luciferella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 171, 1860; Tin. No. Am., 130, 1872; WALSINGHAM, Trans. Am. Ent. Soc., x, 196, 1882. — Pa., Ky.

syn. *cephalonthiella* CHAMBERS, Can. Ent., iii, 221, 1871; vii, 53, 1875; xi, 10, 1879.

*6163. **minimella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 294, 1880. — Mass.

6164. **murtfeldtella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 237, 1875; Can. Ent., viii, 159, 1876; ix, 13, 1877; xi, 5, 1879. — Mo., Col., Tex.

syn. *albocapitella* CHAMBERS, Can. Ent., vii, 33, 1875; Bull. Geol. Surv. Terr., iii, 144, 1877; *grissæella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 295, 1875; Bull. Geol. Surv. Terr., iii, 141, 1877; *obscurusella* CHAMBERS, Can. Ent., vii, 53, 1875; *parvicristatella* CHAMBERS, Can. Ent., vii, 34, 1875.

6165. **rufocristatella** CHAMBERS, Can. Ent., vii, 33, 1875. — Tex.

*6166. **subiridescens** WALSINGHAM, Trans. Am. Ent. Soc., x, 194, 1882. — Lab.

6167. **subbistrigella** HAWORTH, Lep. Brit., 581, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3582, 1901; WALSINGHAM, Trans. Am. Ent. Soc., x, 196, 1882. — Eur., Me., Cal.

6168. **sexnotella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 88, 1878; HAGEN, Pap., iv, 99, 1884; BUSCK, Jn. N. Y. Ent. Soc., x, 97, 1902. — Tex.

HOMALEDRA Busck.

BUSCK, Proc. U. S. Nat. Mus., xxiii, 237, 1900.

6169. **heptathalama** BUSCK, Proc. U. S. Nat. Mus., xxiii, 237, 1900. — Fla.

6169. 1. **sabalella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 7, 1880. — Fla.

ENDROSIS Hübner.

HÜBNER, Verz. bek. Schmett., 401, 1816.

6170. **lacteella** DENIS & SCHIFFERMÜLLER, Syst. Verz. Wien, 139, 1776; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 3051, 1901. — Eur., Cal.

syn. *kennicotella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 165, 1860; Tin. No. Am., 119, 1872; CHAMBERS, Cin. Quart. Jn. Sci., ii, 244, 1875.

LEUCOPHRYNE Chambers.

CHAMBERS, Can. Ent., vii, 210, 1875.

6171. **tricristatella** CHAMBERS, Can. Ent., vii, 211, 1875. — Can.

DOUGLASIA Stainton.

STAINTON, Ins. Brit., Lep. Tin., 179, 1854.

*6172. **obscurofasciella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 291, 1880. — Mass.

AROTURA Walsingham.

Walsingham, Ins. Life, i, 116, 1888.

6173. **eburnea** Walsingham, Ins. Life, i, 117, 1888. — Ariz.

APHIGALIA Dyar.

Phigalia Chambers (not Duponchel), Can. Ent., vii, 107, 1875.

*6174. **albella** Chambers, Can. Ent., vii, 107, 1875. — Tex.

*6175. **ochreomaculella** Chambers, Can. Ent., vii, 107, 1875. — Tex.

SCHRECKENSTEINIA Hübner.

Hübner, Verz. bek. Schmett., 419, 1816.

6176. **felicella** Walsingham, Pter. Cal. Oreg., 2, 1880. — Cal., Oreg.

6177. **erythriella** Clemens, Proc. Acad. Nat. Sci. Phil., 171, 1860; Tin. No. Am., 40, 132, 1872; Frey & Boll, Stett. ent. Zeit., xxxvii, 214, 1876. — Atl. States.

6178. **festaliella** Hübner, Schm. Eur., 449, 1827; Staudinger & Rebel, Cat. Lep. Eur., ii, no. 3405, 1901; Walsingham, Pter. Cal. Oreg., 1, 1880; Trans. Am. Ent. Soc., x, 197, 1882; Dyar, Psyche, vii, 252, 1895 (as *basilaris*). — No. U. S., Eur.

WALSHIA Clemens.

Clemens, Proc. Ent. Soc. Phil., ii, 418, 1864.

6179. **amorphella** Clemens, Proc. Ent. Soc. Phil., ii, 419, 1864; Tin. No. Am., 241, 1872; Riley, Rep. Ins. Mo., ii, 132, 1869; Proc. Ent. Soc. Wash., i, 30, 1886. — Atl. States.

syn. *miscecalonella* Chambers, Can. Ent., vii, 34, 1875; *miscecolorella* Chambers, Can. Ent., vii, 51, 1875; Bull. Geol. Surv. Terr., iii, 144, 1877; Walsingham, Trans. Am. Ent. Soc., x, 197, 1882.

BRACHILOMA Clemens.

Clemens, Proc. Ent. Soc. Phil., ii, 126, 1863.

*6180. **unipunctella** Clemens, Proc. Ent. Soc. Phil., ii, 126, 1863; Tin. No. Am., 232, 1872. — Pa.

EULYONETIA Chambers.

Chambers, Jn. Cin. Soc. Nat. Hist., ii, 188, 1879.

*6181. **inornatella** Chambers, Jn. Cin. Soc. Nat. Hist., ii, 188, 1879. — Tex.

CACELICE Busck.

Busck, Jn. N. Y. Ent. Soc., x, 93, 1902.

6182. **permolestella** Busck, Jn. N. Y. Ent. Soc., x, 93, 1902. — Ky.

Family TINEIDÆ.

NEPTICULA von Heyden.

Von Heyden, Berich. Vers. Naturf. Mainz, 201, 1842.

*6183. **amelanchierella** Clemens, Proc. Ent. Soc. Phil., i, 84, 1861; Tin. No. Am., 174, 1872; Packard, Guide Stud. Ins., 356, 1869. — No. Atl. States.

*6184. **anguinella** Clemens, Proc. Ent. Soc. Phil., i, 85, 1861; Tin. No. Am., 175, 1872. — Pa.

*6185. **apicialbella** Chambers, Can. Ent., v, 127, 1873; Cin. Quart. Jn. Sci., ii, 118, 1875. — Ky.

*6186. **badiocapitella** Chambers, Can. Ent., viii, 160, 1876. — Ky.

*6187. **belfrageella** Chambers, Can. Ent., vii, 75, 1875. — Tex.

*6188. **bifasciella** Clemens, Proc. Ent. Soc. Phil., i, 133, 1862; Tin. No. Am., 183, 1872; Chambers, Can. Ent., v, 146, 1873. — Pa.

*6189. **castaneæfoliella** Chambers, Cin. Quart. Jn. Sci., ii, 117, 1875; Psyche, iii, 66, 1880; Jn. Cin. Soc. Nat. Hist., ii, 193, 1879. — Ky.

*6190. **caryæfoliella** Clemens, Proc. Ent. Soc. Phil., i, 84, 1861; Tin. No. Am., 174, 1872. — Pa.

*6191. **clemensella** Chambers, Can. Ent., v, 125, 1873. — Ky., Pa.

6192. **condaliafoliella** Busck, Proc. U. S. Nat. Mus., xxiii, 238, 1900. — Fla.

*6193. **corylifoliella** Clemens, Proc. Ent. Soc. Phil., i, 83, 1861; Tin. No. Am., 173, 1872; Packard, Guide Stud. Ins., 356, 1869. — Pa.

*6194. **cratægifoliella** Clemens, Proc. Ent. Soc. Phil., i, 83, 1861; Tin. No. Am., 173, 1872. — Pa.

6195. **dallasiana** Frey & Boll, Stett. ent. Zeit., xxxvii, 228, 1876. — Tex.

*6196. **fuscocapitella** Chambers, Can. Ent., v, 128, 1873. — Ky.

*6197. **fuscotibiella** CLEMENS, Proc. Ent. Soc. Phil., i, 133, 1861; Tin. No. Am., 182, 1872; CHAMBERS, Can. Ent., v, 128, 1873; Cin. Quart. Jn. Sci., ii, 114, 1875. — Pa.

syn. *cilliæfuscella* CHAMBERS, Can. Ent., v, 128, 1873; Cin. Quart. Jn. Sci., ii, 117, 1875; *furcotibiella* RILEY, Smith's List Lep. Bor. Am., 111, 1891.

*6198. **grandisella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 193, 1879. — Tex.

*6199. **juglandifoliella** CLEMENS, Proc. Ent. Soc. Phil., i, 84, 1861; Tin. No. Am., 173, 1872; Bull. Geol. Surv. Terr., iv, 105, 1878. — Pa.

*6200. **latifasciella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 106, 1878. — Ky.

*6201. **maculosella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 193, 1879. — Tex.

6202. **maximella** CHAMBERS, Can. Ent., v, 126, 1873. — Ky.

*6203. **minimella** CHAMBERS, Can. Ent., v, 127, 1873. — Ky.

6204. **myricafoliella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 238, 1900. — Fla.

*6205. **nigriverticella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 118, 1875. — Ky.

*6206. **nyssæfoliella** CHAMBERS, Psyche, iii, 66, 1880. — Ky.

*6207. **ochrefasciella** CHAMBERS, Can. Ent., v, 128, 1873. — Ky.

*6208. **ostryæfoliella** CLEMENS, Proc. Ent. Soc. Phil., i, 83, 1861. — Pa.

6209. **platanella** CLEMENS, Proc. Ent. Soc. Phil., i, 173, 183, 1861; v, 146, 1865; CHAMBERS, Can. Ent., v, 125, 1873; PACKARD, Guide Stud. Ins., 356, 1869. — Pa.

*6210. **platea** CLEMENS, Proc. Ent. Soc. Phil., i, 85, 1861; Tin. No. Am., 175, 1872. — Pa.

*6211. **pomivorella** PACKARD, Am. Nat., vi, 685, 1872; Rept. Mass. Agr. Soc., 238, 1870; WALSINGHAM, Proc. Zool. Soc. Lond., 83, 1880; BUSCK, Can. Ent., xxxiii, 52, 1901. — Mass.

*6212. **populetorum** FREY & BOLL, Stett. ent. Zeit., xxxix, 276, 1878. — Tex.

6213. **prunifoliella** CLEMENS, Proc. Ent. Soc. Phil., i, 84, 1861; Tin. No. Am., 174, 1872; CHAMBERS, Can. Ent., v, 127, 1873. — Pa.

*6214. **pteliæella** CHAMBERS, Psyche, iii, 137, 1880; 276, 1881. — Ky.

*6215. **quercicastanella** CHAMBERS, Can. Ent., v, 127, 1873; x, 105, 1878; xi, 93, 1879; Psyche, iii, 66, 1880. Ky.

*6216. **quercipulchrella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 105, 1878. Ky.

*6217. **resplendensella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 118, 1875. Ky.

*6218. **rosæfoliella** CLEMENS, Proc. Ent. Soc. Phil., i, 85, 1861; Tin. No. Am., 176, 1872. Pa.

*6219. **rubifoliella** CLEMENS, Proc. Ent. Soc. Phil., v, 146, 1865; Tin. No. Am., 152, 1872. Pa.

6220. **saginella** CLEMENS, Proc. Ent. Soc. Phil., i, 85, 1861; Tin. No. Am., 175, 271, 1872; CHAMBERS, Can. Ent., xi, 93, 1879. Pa.

*6221. **serotinæella** CHAMBERS, Can. Ent., v, 126, 1873. Ky.

*6222. **thoracealbella** CHAMBERS, Can. Ent., v, 127, 1873. Ky.

*6223. **unifasciella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 119, 1875. Ky.

*6224. **villosella** CLEMENS, Proc. Ent. Soc. Phil., i, 84, 1861; Tin. No. Am., 174, 1872. Pa.

*6225. **virginiella** CLEMENS, Proc. Ent. Soc. Phil., i, 83, 1861; Tin. No. Am., 172, 1872. Pa.

TRIFURCULA Zeller.

ZELLER, Linn. Ent., iii, 330, 1848; *Trifurcella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 165, 1878.

*6226. **obrutella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 316, 1873. Tex.

OPOSTEGA Zeller.

ZELLER, Isis, 214, 1839.

6227. **accessoriella** FREY & BOLL, Stett. ent. Zeit., xxxvii, 216, 1876. Tex.

*6228. **albogallierella** CLEMENS, Proc. Ent. Soc. Phil., i, 131, 1862; Tin. No. Am., 180, 1872. Pa.

6229. **bosqueella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 106, 1878. Tex.

6230. **nonstrigella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 296, 1880. Ky.

*6231. **quadristrigella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 106, 1875. Ky.

BUCCULATRIX Zeller.

ZELLER, Linn. Ent., iii, 286, 1848; CLEMENS, Tin. No. Am., 108, 1872.

6232. **albicapitella** CHAMBERS, Can. Ent., vii, 125, 1875. — Can.

6233. **ambrosiæfoliella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 119, 1875; Can. Ent., xiv, 153, 1882. — Ky.

*6234. **agnella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 211, 1860; Tin. No. Am., 147, 1872. — Pa.

*6235. **angustata** FREY & BOLL, Stett. ent. Zeit., xxxvii, 218, 1876. — Tex.

6236. **canadensisella** CHAMBERS, Can. Ent., vii, 146, 1875. — Can.

6237. **capitialbella** CHAMBERS, Can. Ent., v, 150, 1873. — Ky.

6238. **coronatella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 13, 1860; Tin. No. Am., 109, 1872; CHAMBERS, Can. Ent., v, 151, 1873. — Pa.

*6239. **immaculatella** CHAMBERS, Can. Ent., vii, 54, 1875. — Tex.

6240. **ivella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 243, 1900. — Fla.

*6241. **litigiosella** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 354, 1875. — Tex.

6242. **luteella** CHAMBERS, Can. Ent., v, 151, 1873; xi, 93, 1879. — Ky.

6243. **magnella** CHAMBERS, Can. Ent., vii, 54, 1875. — Tex.

*6244. **niveella** CHAMBERS, Can. Ent., vii, 54, 1875. — Tex.

*6245. **packardella** CHAMBERS, Can. Ent., v, 151, 1873; Cin. Quart. Jn. Sci., ii, 120, 1875. — Ky.

6246. **pomifoliella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 211, 1860; Tin. No. Am., 146, 1872; CHAMBERS, Can. Ent., v, 150, 1873; RILEY, Rep. Ins. Mo., iv, 149, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 353, 1875; WALSINGHAM, Trans. Am. Ent. Soc., x, 204, 1882. — Atl. States.

syn. *pomonella* PACKARD, Guide Stud. Ins., 7th ed., 354, 1880; *curvilineatella* PACKARD, Guide Stud. Ins., 354, 1869; CHAMBERS, Can. Ent., iii, 184, 1871.

*6247. **quinquenotella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 120, 1875. — Ky.

*6248. **rileyi** FREY & BOLL, Stett. ent. Zeit., xxxvii, 219, 1876. — Tex.

*6249. **staintonella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 133, 1878. — Col.

syn. *albella* CHAMBERS (not STAINTON), Bull. Geol. Surv. Terr., iii, 141, 1877.

6250. **thuiella** PACKARD, Am. Nat., v, 152, 1871; RILEY, Rep. Ins. Mo., iv, 51, 1872. — Atl. States.

6251. **trifasciella** CLEMENS, Proc. Ent. Soc. Phil., v, 147, 1866; Tin. No. Am., 272, 1872; CHAMBERS, Can. Ent., v, 149, 1873; Cin. Quart. Jn. Sci., ii, 120, 1875. — Pa.

syn. *obscurofasciella* CHAMBERS, Can. Ent., v, 150, 1873.

LITHOCOLLETES Hübner.

HÜBNER, Verz. bek. Schmett., 423, 1816.

*6252. **hageni** FREY & BOLL, Stett. ent. Zeit., xxxiv, 208, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 201, 1874; Bull. Geol. Surv. Terr., iv, 100, 1878. — Mass.?

syn. *necospinusella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 100, 1878.

6253. **fitchella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 207, 1860; Tin. No. Am., 139, 1872; CHAMBERS, Can. Ent., iii, 183, 1871; Cin. Quart. Jn. Sci., i, 207, 1874; PACKARD, Guide Stud. Ins., 353, 1869; CHAMBERS, Bull. Geol. Surv. Terr., iii, 139, 1877; Can. Ent., xi, 90, 1879; FREY & BOLL, Stett. ent. Zeit., xxxix, 26, 1878. — Pa.

syn. *quercifoliella* FITCH, Fifth Rept. Ins. N. Y., 327, 1859; *quercitorum* FREY & BOLL, Stett. ent. Zeit., xxxiv, 207, 1873; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 140, 1875; CHAMBERS, Cin. Quart. Jn. Sci., i, 201, 1874; ii, 229, 1875; Bull. Geol. Surv. Terr., iii, 139, 141, 1877.

6254. **rileyella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 236, 1875; WALSINGHAM, Ins. Life, ii, 25, 1889. — Mo.

syn. *tenuistrigata* FREY & BOLL, Stett. ent. Zeit., xxxvii, 225, 1876; xxxix, 26, 1878.

6255. **insignis** WALSINGHAM, Ins. Life, ii, 117, 1889. — Cal.

6256. **clemensella** CHAMBERS, Can. Ent., xi, 91, 1879; WALSINGHAM, Ins. Life, ii, 25, 1889. — Ky.

6257. **lucidicostella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 318, 1859; Tin. No. Am., 39, 64, 66, 1872; CHAMBERS, Cin. Quart. Jn. Sci., ii, 102, 1875; Can. Ent., iii, 57, 1871. — Pa.

syn. *ludicostella* RILEY, Smith's List Lep. Bor. Am., 109, 1891.

6258. **argentifimbriella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 318, 321, 1859; Tin. No. Am., 39, 64, 70, 1872; CHAMBERS, Can. Ent., iii, 57, 85, 1871; Cin. Quart. Jn. Sci., i, 201, 1874; ii, 229, 1875; FREY & BOLL, Stett. ent. Zeit., xxxiv, 209, 1873; WALSINGHAM, Ins. Life, iii, 325, 1891. — Pa.

syn. *fuscocostella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 102, 1875; WALSINGHAM, Ins. Life, ii, 25, 1889.

6259. **quercialbella** FITCH, Rep. Ins. N. Y., v, 328, 1859; CHAMBERS, Can. Ent., iii, 57, 1871; WALSINGHAM, Ins. Life, ii, 25, 1890; iii, 325, 1891. — Atl. States.

syn. *longirostrata* FREY & BOLL, Stett. ent. Zeit., xxxiv, 209, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 229, 1875; WALSINGHAM, Ins. Life, ii, 25, 1891; *quercibella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 202, 1875; WALSINGHAM, Ins. Life, ii, 77, 1889; *quercipulchella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 120, 1878; PACKARD, Bull. Ent. Comm., vii, 53, 1881; WALSINGHAM, Ins. Life, ii, 77, 1889; *quercipulchrella* RILEY, Smith's List Lep. Bor. Am., 109, 1891.

*6260. **subaureola** FREY & BOLL, Stett. ent. Zeit., xxxix, 262, 1878; WALSINGHAM, Ins. Life, ii, 25, 1889; iii, 325, 1891. — Tex.

*6261. **caryæalbella** CHAMBERS, Can. Ent., iii, 58, 85, 182, 206, 1871. — Ky.

syn. *caryalbella* WALSINGHAM, Ins. Life, iii, 328, 1891.

6262. **lucetiella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 319, 322, 1859; Tin. No. Am., 65, 73, 1872; CHAMBERS, Can. Ent., iii, 56, 1871; WALSINGHAM, Ins. Life, ii, 52, 1889. — Pa.

syn. *ænigmatella* FREY & BOLL, Stett. ent. Zeit., xxxiv, 219, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 206, 1874.

*6263. **albanotella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 191, 1875. — Ky.

6264. **alniella** ZELLER, Linn. Ent., i, 229, 1846; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4118, 1901; FREY & BOLL, Stett. ent. Zeit., xxxiv, 210, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 201, 1874; ii, 229, 1875 — Eur., U. S.?

6265. **ostensackenella** FITCH, Rept. Ins. N. Y., v, 338, 1859; CHAMBERS, Can. Ent., iii, 183, 1871. — N. Y.

syn. *ornatella* CHAMBERS, Can. Ent., iii, 161, 1871; iv, 107, 1872; xi, 91, 1879; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 347, 1875; FREY & BOLL, Stett. ent. Zeit., xxxiv, 217, 1873; WALSINGHAM, Ins. Life, ii, 53, 1889.

6266. **gemmea** FREY & BOLL, Stett. ent. Zeit., xxxiv, 218, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 206, 339, 1874; ii, 227, 1875; WALSINGHAM, Ins. Life, ii, 53, 1889. — Mass.

6267. **robiniella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 318, 1859; 209, 1860; Tin. No. Am., 66, 1872; CHAMBERS, Can. Ent., iii, 54, 87, 163, 183, 185, 1871; iv, 9, 117, 1872; Cin. Quart. Jn. Sci., ii, 228, 1875; Bull. Geol. Surv. Terr., iii, 137, 1877; Jn. Cin. Soc. Nat. Hist., ii, 91, 1879; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 348, 1875; FREY & BOLL, Stett. ent. Zeit., xxxix, 275, 1878. — Atl. States.

syn. *pseudacaciella* FITCH, Rept. Ins. N. Y., v, 335, 1859.

*6268. **uhlerella** FITCH, Rept. Ins. N. Y., v, 337, 1859; WALSINGHAM, Ins. Life, ii, 53, 1889. — Atl. States.

syn. *amorphæella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 132, 137, 1877; *amorphæ* FREY & BOLL, Stett. ent. Zeit., xxxix, 275, 1878.

6269. **morrisella** FITCH, Rept. Ins. N. Y., v, 336, 1859; WALSINGHAM, Ins. Life, ii, 52, 1889. — Atl. States.

syn. *texanella* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 349, 1875; FREY & BOLL, Stett. ent. Zeit., xxxix, 275, 1878; *amphicarpæella* CHAMBERS, Bull. Geol. Surv. Terr., iii, 137, 1877.

6270. **blancardella** FABRICIUS, Syst. Ent., iii, 327, 1775; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4144, 1901. — Atl. States, Eur.

syn. *pomifoliella* ZELLER, Isis, 218, 1839; WALSINGHAM, Trans. Am. Ent. Soc., x, 202, 1882; *mespilella* HAWORTH, *cratægella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 324, 1859; *deceptusella* CHAMBERS, Can. Ent., xi, 73, 1879.

6271. **faginella** ZELLER, Linn. Ent., i, 204, 1846; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4149, 1901; WALSINGHAM, Ins. Life, iii, 327, 1891. — Eur., U. S.

syn. *triguttella* STAINTON.

6272. **incanella** WALSINGHAM, Ins. Life, ii, 81, 1889. Cal.

6273. **alnicolella** WALSINGHAM, Ins. Life, ii, 80, 1889. Cal.

*6274. **alni** WALSINGHAM, Ins. Life, iii, 326, 1891. Col.
syn. *alnivorella* CHAMBERS (not RAGONOT), Cin. Quart. Jn. Sci., ii, 302, 1875; Bull. Geol. Surv. Terr., iii, 139, 1877.

*6275. **ostryæfoliella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 322, 1859; Tin. No. Am., 67, 71, 1872; CHAMBERS, Can. Ent., iii, 85, 1871; Cin. Quart. Jn. Sci., i, 202, 1874; Can. Ent., xi, 91, 1879; WALSINGHAM, Ins. Life, ii, 53, 1889. Atl. States.
syn. *mirifica* FREY & BOLL, Stett. ent. Zeit., xxxiv, 212, 1873.

*6276. **minutella** FREY & BOLL, Stett. ent. Zeit., xxxix, 263, 1878. Tex.

6277. **diaphanella** FREY & BOLL, Stett. ent. Zeit., xxxix, 265, 1878. Tex.

*6278. **scudderella** FREY & BOLL, Stett. ent. Zeit., xxxiv, 212, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 230, 1875; Bull. Geol. Surv. Terr., iv, 156, 1878; Can. Ent., xi, 72, 1879. Atl. States.

*6279. **obsoleta** FREY & BOLL, Stett. ent. Zeit., xxxiv, 211, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 202, 1874. Mass.
syn. *obsoletella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 155, 1878.

*6280. **obscuricostella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 321, 1859; Tin. No. Am., 64, 71, 1872; CHAMBERS, Can. Ent., iii, 85, 1871; xi, 92, 1879. Pa.
syn. *virginella* CHAMBERS, Can. Ent., iii, 84, 1871.

6281. **æriferella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 320, 1859; Tin. No. Am., 64, 68, 1872; CHAMBERS, Can. Ent., iii, 183, 1871; Cin. Quart. Jn. Sci., ii, 104, 1875. Pa.

*6282. **sexnotella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 189, 1879. Ky.

6283. **argentinotella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 321, 1859; Tin. No. Am., 66, 78, 1872; CHAMBERS, Can. Ent., iii, 148, 1871; xi, 89, 1879; FREY & BOLL, Stett. ent. Zeit., xxxiv, 214, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 202, 1874; ii, 101, 1875. Pa.

*6284. **occitanica** FREY & BOLL, Stett. ent. Zeit., xxxvii, 224, 1876; xxxix, 270, 1878. Tex.

*6285. **amœna** Frey & Boll, Stett. ent. Zeit., xxxix, 269, 1878. — Tex.

6286. **celtifoliella** Chambers, Can. Ent., iii, 128, 1871; Walsingham, Ins. Life, ii, 52, 1889. — Atl. States.

syn. *nonfasciella* Chambers, Can. Ent., iii, 108, 1871; Cin. Quart. Jn. Sci., i, 201, 1874; *celtisella* Chambers, Can. Ent., iii, 129, 1871; Cin. Quart. Jn. Sci., i, 201, 1874; Frey & Boll, Stett. ent. Zeit., xxxix, 274, 1878; Chambers, Jn. Cin. Soc. Nat. Hist., ii, 190, 1879; *pusillifoliella* Frey & Boll, Stett. ent. Zeit., xxxix, 274, 1878.

6287. **cincinnatiella** Chambers, Can. Ent., iii, 144, 149, 1871; Cin. Quart. Jn. Sci., i, 149, 1874; Bull. Geol. Surv. Terr., iii, 141, 1877. — Ohio.

6288. **caryæfoliella** Clemens, Proc. Acad. Nat. Sci. Phil., 323, 1859; Tin. No. Am., 65, 74, 1872; Chambers, Can. Ent., iii, 109, 165, 1871; Frey & Boll, Stett. ent. Zeit., xxxix, 273, 1878. — Atl. States.

syn. *juglandiella* Clemens, Proc. Ent. Soc. Phil., i, 81, 1861; Tin. No. Am., 170, 1872; Chambers, Can. Ent., iii, 165, 1871; vii, 126, 1875; xi, 91, 1879; Packard, Guide Stud. Ins., 353, 1869.

*6289. **macrocarpella** Frey & Boll, Stett. ent. Zeit., xxxix, 261, 1878. — Tex.

6290. **umbellulariæ** Walsingham, Ins. Life, ii, 78, 1889. — Cal.

6291. **gaultheriella** Walsingham, Ins. Life, ii, 79, 1889. — Oreg., Cal.

6292. **ledella** Walsingham, Ins. Life, ii, 79, 1889. — Cal.

6293. **nemoris** Walsingham, Ins. Life, ii, 116, 1889. — Cal.

6294. **ulmella** Chambers, Can. Ent., iii, 148, 1871; Cin. Quart. Jn. Sci., i, 202, 1874; ii, 101, 1875; Frey & Boll, Stett. ent. Zeit., xxxiv, 214, 1873; Walsingham, Ins. Life, ii, 24, 1889. — Atl. States.

syn. *modesta* Frey & Boll, Stett. ent. Zeit., xxxvii, 274, 1876; xxxix, 274, 1878.

*6295. **conglomeratella** Zeller, Verh. zool.-bot. Ges. Wien, xxv, 346, 1875; Walsingham, Ins. Life, ii, 24, 1889. — Tex.

syn. *bicolorella* Chambers, Bull. Geol. Surv. Terr., iv, 103, 1878; *obtusilobæ* Frey & Boll, Stett. ent. Zeit., xxxix, 265, 1878.

*6296. **quercivorella** Chambers, Can. Ent., xi, 145, 1879; Walsingham, Ins. Life, ii, 24, 1889. — Ky.

6297. **australisella** Chambers, Bull. Geol. Surv. Terr., iv, 103, 1878. — Tex.

6298. **solidaginis** FREY & BOLL, Stett. ent. Zeit., xxxvii, 223, 1876. — Tex.

syn. *solidaginisella* CHAMBERS, Jn. Cin. Soc. Nat. Hist., ii, 12, 1880.

6299. **grindeliella** WALSINGHAM, Ins. Life, iii, 327, 1891. — Cal.

*6300. **chambersella** WALSINGHAM, Ins. Life, ii, 78, 1889. — Tex.

syn. *quinquenotella* CHAMBERS (not FREY), Jn. Cin. Soc. Nat. Hist., ii, 189, 1879.

6301. **basistrigella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 321, 1859; Tin. No. Am., 39, 65, 69, 1872; CHAMBERS, Can. Ent., iii, 48, 166, 182, 1871; Cin. Quart. Jn. Sci., i, 205, 1874; WALSINGHAM, Ins. Life, ii, 25, 1889. — Atl. States.

syn. *intermedia* FREY & BOLL, Stett. ent. Zeit., xxxiv, 210, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 230, 1875.

*6302. **auronitens** FREY & BOLL, Stett. ent. Zeit., xxxiv, 216, 1873. — Mass.

6303. **desmodiella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 220, 1859; Tin. No. Am., 65, 68, 1872; CHAMBERS, Can. Ent., iii, 127, 152, 1871; Jn. Cin. Soc. Nat. Hist., ii, 189, 1879; WALSINGHAM, Trans. Am. Ent. Soc., x, 202, 1882. — Atl. States.

syn. *gregariella* MURTFELDT, Can. Ent., xiii, 245, 1881; xv, 139, 1883; WALSINGHAM, Proc. Zool. Soc. Lond., 146, 1897.

6304. **toxicodendri** FREY & BOLL, Stett. ent. Zeit., xxxix, 273, 1878. — Tex.

6305. **aceriella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 325, 1859; Tin. No. Am., 65, 75, 1872; CHAMBERS, Can. Ent., iii, 130, 1871. — Pa.

6306. **guttifinitella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 324, 1859; Tin. No. Am., 65, 76, 1872; CHAMBERS, Can. Ent., iii, 110, 1871; Cin. Quart. Jn. Sci., i, 201, 1874; Bull. Geol. Surv. Terr., iv, 102, 1878; Jn. Cin. Soc. Nat. Hist., ii, 82, 1879. — Atl. States.

syn. *æsculisella* CHAMBERS, Can. Ent., iii, 112, 1871; WALSINGHAM, Ins. Life, ii, 52, 1889; *æsculella* RILEY, Smith's List Lep. Bor. Am., 109, 1891.

*6307. **obstrictella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 322, 1859; Tin. No. Am., 64, 73, 1872; CHAMBERS, Can. Ent., iii, 83, 1871; Bull. Geol. Surv. Terr., iv, 102, 1878. — Pa.

6308. **corylisella** CHAMBERS, Can. Ent., iii, 111, 127, 1871. — Wis., Ky.

syn. *coryliella* CHAMBERS, Can. Ent., xi, 90, 1879.

*6309. **oregonensis** WALSINGHAM, Ins. Life, ii, 117, 1889. — Oreg.

6310. **tilieacella** CHAMBERS, Can. Ent., iii, 56, 1871. — Ky.

syn. *tiliæella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 203, 1875; *tiliella* WALSINGHAM, Ins. Life, iii, 328, 1891.

*6311. **symphoricarpella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 98, 1875. — Ky.

*6312. **bolliella** DYAR. — Tex.

syn. *symphoricarpella* FREY & BOLL (not CHAMBERS), Stett. ent. Zeit., xxxix, 271, 1878.

*6313. **fragilella** FREY & BOLL, Stett. ent. Zeit., xxxix, 270, 1878; WALSINGHAM, Ins. Life, ii, 51, 1889. — Tex.

syn. *trifasciella* FREY & BOLL (not HAWORTH), Stett. ent. Zeit., xxxiv, 215, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 205, 1874; WALSINGHAM, Ins. Life, iii, 326, 1891.

*6314. **affinis** FREY & BOLL, Stett. ent. Zeit., xxxvii, 222, 1876; xxxix, 270, 1878; WALSINGHAM, Ins. Life, ii, 51, 1889. — Tex.

6315. **mariæella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 99, 1875; Can. Ent., xi, 92, 1879; WALSINGHAM, Trans. Am. Ent. Soc., x, 201, 1882. — Mo.

syn. *mariella* RILEY, Smith's List Lep. Bor. Am., 109, 1891.

*6316. **tritæniella** CHAMBERS, Can. Ent., iii, 110, 184, 1871; v, 48, 1873; xi, 89, 1879; WALSINGHAM, Ins. Life, ii, 53, 1889. — Atl. States.

syn. *consimilella* FREY & BOLL, Stett. ent. Zeit., xxxiv, 217, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 230, 1875; WALSINGHAM, Ins. Life, ii, 51, 1889.

*6317. **fasciella** WALSINGHAM, Ins. Life, iii, 326, 1891. — Ky.

syn. *unifasciella* CHAMBERS (not TENGSTRÖM), Cin. Quart. Jn. Sci., ii, 103, 1875.

*6318. **castaneæella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 104, 1875. — Ky.

syn. *castanella* WALSINGHAM, Ins. Life, iii, 329, 1891.

*6319. **bostonica** FREY & BOLL, Stett. ent. Zeit., xxxiv, 216, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 206, 1874; ii, 230, 1875. — Mass.

*6320. **ignota** FREY & BOLL, Stett. ent. Zeit., xxxiv, 215, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 206, 1874; ii, 230, 1875. — Atl. States.

syn. *helianthisella* CHAMBERS, Cin. Quart. Jn. Sci., i, 205, 1874; *helianthivorella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 100, 1875.

6321. **ambrosiella** CHAMBERS, Can. Ent., iii, 127, 1871; Cin. Quart. Jn. Sci., ii, 100, 1875; FREY & BOLL, Stett. ent. Zeit., xxxvii, 221, 1876; xxxix, 267, 1878; WALSINGHAM, Ins. Life, ii, 54, 1889. — Ky.

*6322. **elephantopodella** FREY & BOLL, Stett. ent. Zeit., xxxix, 268, 1878. — Tex.

6323. **verbesinella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 247, 1900. — Fla.

*6324. **actinomeridis** FREY & BOLL, Stett. ent. Zeit., xxxix, 268, 1878. — Tex.

*6325. **eppelsheimii** FREY & BOLL, Stett. ent. Zeit., xxxix, 272, 1878. — Tex.

6326. **bethuniella** CHAMBERS, Can. Ent., iii, 109, 1871; Cin. Quart. Jn. Sci., ii, 103, 1875; Can. Ent., xi, 89, 1879. — Ky.

*6327. **lebertella** FREY & BOLL, Stett. ent. Zeit., xxxix, 266, 1878. — Tex.

*6328. **betulivora** WALSINGHAM, Ins. Life, iii, 326, 1891. — Atl. States.

*6329. **bifasciella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 101, 1878. — Ky.

*6330. **tubiferella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 208, 1860; Tin. No. Am., 140, 1872; CHAMBERS, Can. Ent., iii, 165, 183, 1871; WALSINGHAM, Ins. Life, ii, 24, 77, 1889; iii, 329, 1891. — Pa.

6331. **populiella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 101, 1878. — Ohio, Ky.

6332. **atomariella** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 350, 1875; WALSINGHAM, Ins. Life, ii, 54, 1889. — Mass.

6333. **salicifoliella** CLEMENS, Proc. Ent. Soc. Phil., i, 81, 1861; Tin. No. Am., 169, 1872; PACKARD, Guide Stud. Ins., 353, 1869; CHAMBERS, Can. Ent., iii, 163, 185, 1871; Cin. Quart. Jn. Sci., ii, 302, 1875; Bull. Geol. Surv. Terr., iii, 139, 1877; WALSINGHAM, Ins. Life, ii, 54, 1889. — Atl. States.

6334. **hamadryella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 324, 1859; Tin. No. Am., 65, 77, 1872; CHAMBERS, Can. Ent., iii, 55, 164, 182, 1871; Cin. Quart. Jn. Sci., ii, 201, 1875; FREY & BOLL, Stett. ent. Zeit., xxxix, 62, 1878. — Atl. States.

syn. *alternatella* ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 351, 1875; *alternata* CHAMBERS, Bull. Geol. Surv. Terr., iv, 153, 1878.

*6335. **ostryarella** CHAMBERS, Can. Ent., iii, 111, 1871. — Ky.

*6336. **lysimachiæella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 100, 1875; WALSINGHAM, Ins. Life, ii, 77, 1889. — Ky.?

BEDELLIA Stainton.

STAINTON, Cat. Brit. Tin., 226, 1849.

6337. **somnulentella** ZELLER, Isis, 849, 1847; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4107, 1901; CHAMBERS, Bull. Geol. Surv. Terr., iv, 131, 1878. — Atl. States, Eur.

syn. *staintonella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 8, 1860; Proc. Ent. Soc. Phil., i, 147, 1862; *convolvulella* FABRICIUS, *somnulatella* RILEY, Smith's List Lep. Bor. Am., 108, 1891.

6338. **minor** BUSCK, Proc. U. S. Nat. Mus., xxiii, 243, 1900. — Fla.

CHILOCAMPYLA Busck.

BUSCK, Proc. U. S. Nat. Mus., xxiii, 248, 1900.

6339. **dyariella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 249, 1900. — Fla.

EUCOSMOPHORA Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 148, 1897.

6340. **sideroxyloniella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 250, 1900. — Fla.

GRACILARIA Haworth.

HAWORTH, Lep. Brit., 527, 1829; *Parectopa* CLEMENS, Tin. No. Am., 144, 1872.

6341. **aceriella** CHAMBERS, Jn. Cin. Soc. Nat. Hist., iii, 295, 1880. — Mass.

6342. **acerifoliella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 299, 1875; Bull. Geol. Surv. Terr., iii, 132, 1877. — Col.

6343. **alnicolella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 299, 1875; Bull. Geol. Surv. Terr., iii, 132, 1877. — Col.

6344. **alnivorella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 298, 1875; Bull. Geol. Surv. Terr., iii, 132, 1877; Can. Ent., ix, 15, 1877. — Col.

6345. **astericola** FREY & BOLL, Stett. ent. Zeit., xxxiv, 204, 1873; CHAMBERS, Cin. Quart. Jn. Sc., ii, 200, 1875. — Mass.

6346. **atomosella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 309, 1873. — Tex.

*6347. **behrensella** CHAMBERS, Can. Ent., viii, 32, 1876. — Cal.

6348. **belfrageella** CHAMBERS, Can. Ent., vii, 92, 1875. — Tex.

6349. **blandella** CLEMENS, Proc. Ent. Soc. Phil., iii, 505, 1864; Tin. No. Am., 257, 1872; CHAMBERS, Can. Ent., v, 13, 47, 1873. — Pa.

*6350. **bosquella** CHAMBERS, Can. Ent., viii, 33, 1876; Bull. Geol. Surv. Terr., iii, 132, 1877. — Tex.

6351. **coroniella** CLEMENS, Proc. Ent. Soc. Phil., ii, 421, 1864; v, 145, 1866; Tin. No. Am., 243, 1872; WALSINGHAM, Trans. Am. Ent. Soc., x, 192, 1882. — Pa.

6352. **violacella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 7, 1860; Tin. No. Am., 93, 1872; CHAMBERS, Can. Ent., iv, 26, 1872; v, 46, 1873; Cin. Quart. Jn. Sci., i, 208, 1874; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 108, 1873. — Atl. States.

syn. *desmodifoliella* CLEMENS, Proc. Ent. Soc. Phil., v, 145, 1865; Tin. No. Am., 268, 1872; FREY & BOLL, Stett. ent. Zeit., xxxvii, 212, 1876.

6353. **plantaginisella** CHAMBERS, Can. Ent., iv, 10, 1872; v, 46, 1873. — Ky.

syn. *geiella* CHAMBERS, Cin. Quart. Jn. Sci., i, 200, 1874; *erigeronella* CHAMBERS, Can. Ent., ix, 127, 1877; Bull. Geol. Surv. Terr., iv, 148, 1878.

6354. **elongella** LINNÆUS, Faun. Suec., no. 1436, 1761; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4056, 1901; WALSINGHAM, Trans. Am. Ent. Soc., x, 193, 1882. — Pac. States, Eur.

syn. *signipennella* HÜBNER, *roscipennella* TREITSCHKE, *inconstans* STAINTON, *straminella* STAINTON, *olongella* RILEY, Smith's List Lep. Bor. Am., 105, 1891.

6355. **falconipennella** HÜBNER, Schm. Eur., 317, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4050, 1901; ZELLER, Linn. Ent., ii, 323, 1846; Verh. zool.-bot. Ges. Wien, xxiii, 307, 1873. — Eur., Tex.

6356. **fasciella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 98, 1875; Can. Ent., vii, 93, 1875; ix, 123, 194, 1877; xi, 118, 1879; WALSINGHAM, Trans, Am. Ent. Soc., x, 201, 1882. — Ky.

syn. *quinquenotella* CHAMBERS, Can. Ent., ix, 126, 194, 1877.

*6357. **fulgidella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 6, 1860; Proc. Ent. Soc. Phil., v, 145, 1865; Tin. No. Am., 92, 1872. — Pa.

6358. **fuscoochrella** BEUTENMÜLLER, Ent. Am., v, 10, 1889. — Cal.

6359. **juglandiella** CHAMBERS, Can. Ent., iv, 28, 88, 1872; v, 15, 47, 1873. — Ky.

syn. *juglandisnigræella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 149, 1878.

6360. **negundella** CHAMBERS, Can. Ent., viii, 18, 1876; Bull. Geol. Surv. Terr., iii, 132, 1877; Psyche, iii, 66, 1880. — Col.

6361. **nigristrigella** BEUTENMÜLLER, Ent. Am., iv, 30, 1888. — Cal.

syn. *ruptostrigella* BEUTENMÜLLER, Ent. Am., iv, 30, 1888.

6362. **stigmatella** FABRICIUS, Sp. Ins., ii, 295, 34, 1781; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4044, 1901; CHAMBERS, Can. Ent., xi, 74, 119, 1879; xii, 24, 1880. — Atl. States, Eur.

syn. *upupæpennella* HÜBNER, *ochracea* HAWORTH, *purpuriella* CHAMBERS, Can. Ent., iv, 27, 1872; v, 46, 1873; ix, 126, 194, 1877.

6363. **rhoifoliella** CHAMBERS, Can. Ent., viii, 31, 1876. — Atl. States.

6364. **lespedezæfoliella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 210, 1860; Tin. No. Am., 144, 1872; CHAMBERS, Can. Ent., iv, 7, 1872; v, 47, 1873; viii, 19, 1876; Bull. Geol. Surv. Terr., iii, 132, 1877. — Atl. States.

syn. *robiniella* CLEMENS, Proc. Ent. Soc. Phil., ii, 4, 1863; Tin. No. Am., 207, 1872; CHAMBERS, Can. Ent., iii, 87, 1871; iv, 7, 1872; v, 47, 1873; viii, 33, 1876; Bull. Geol. Surv. Terr., iii, 132, 1877; WALSINGHAM, Trans. Am. Ent. Soc., x, 193, 1882; *mirabilis* FREY & BOLL, Stett. ent. Zeit., xxxiv, 203, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 227, 1875.

6365. **salicifoliella** CHAMBERS, Can. Ent., iv, 25, 1872; v, 15, 46, 186, 1873; Cin. Quart. Jn. Sci., i, 340, 1874. — Ky.

6366. **sauzalitoella** CHAMBERS, Can. Ent., viii, 32, 1876. — Cal.

6367. **sassafrasella** CHAMBERS, Can. Ent., viii, 33, 1876. — Ky.

6368. **sanguinella** BEUTENMÜLLER, Ent. Amer., iv, 30, 1888. — Cal.

6369. **shastaella** BEUTENMÜLLER, Ent. Amer., iv, 30, 1888. — Cal.

6370. **strigifinitella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 6, 1860; Proc. Ent. Soc. Phil., v, 145, 1865; Tin. No. Am., 92, 269, 1872. — Pa.

6371. **duodecemlineella** CHAMBERS, Can. Ent., iv, 11, 1872; ix, 124, 1877. — Ky.

6372. **alchimiella** SCOPOLI, Ent. Carn., no. 661, 1763; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4040, 1901; WALSINGHAM, Trans. Am. Ent. Soc., x, 191, 1882. — Atl. States, Eur.

syn. *swederella* THUNBERG, *franckella* HÜBNER, *hilaripennella* TREITSCHKE, *superbifrontella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 5, 1861; Proc. Ent. Soc. Phil., v, 145, 1865; Tin. No. Am., 91, 269, 1872; FREY & BOLL, Stett. ent. Zeit., xxxiv, 202, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 200, 1874; ii, 226, 1875; *packardella* CHAMBERS, Can. Ent., iv, 27, 1872; ix, 194, 1877; Cin. Quart. Jn. Sci., i, 200, 1874; *inornatella* CHAMBERS, Can. Ent., viii, 31, 1876; xi, 119, 1879; *elegantella* FREY & BOLL, Stett. ent. Zeit., xxxiv, 202, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 227, 1875.

*6373. **populiella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 301, 1875; Bull. Geol. Surv. Terr., iii, 132, 1877. — Col.

6374. **thermopsella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 300, 1875; Bull. Geol. Surv. Terr., iii, 132, 1877; DYAR, Proc. U. S. Nat. Mus., xxv, 409, 1902. — Col.

6375. **venustella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 6, 1860; Proc. Ent. Soc. Phil., ii, 10, 1863; v, 145, 1865; Tin. No. Am., 92, 216, 269, 1872. — Atl. States.

syn. *eupatoriella* CHAMBERS, Can. Ent., iv, 9, 1872; v, 44, 46, 1873.

*6376. **ribesella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 132, 1877. — Col.

6377. **pulchella** CHAMBERS, Can. Ent., vii, 186, 1875. — Can.

6378. **burgessiella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 307, 1873. — Mass.

*6379. **auriferella** FREY & BOLL, Stett. ent. Zeit., xxxvii, 211, 1876. — Tex.

*6380. **consimilella** FREY & BOLL, Stett. ent. Ziet., xxxvii, 210, 1876. — Tex.

*6381. **interpositella** FREY & BOLL, Stett. ent. Zeit., xxxvii, 211, 1876. — Tex.

*6382. **obscuripennella** FREY & BOLL, Stett. ent. Zeit., xxxvii, 209, 1876. — Tex.

6383. **burserella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 251, 1900. — Fla.

6384. **sebastianella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 251, 1900. — Fla.

6385. **pnosmodiella** BUSCK, Proc. U. S. Nat. Mus., xxv, 409, 1902. — Col.

*6386. **strictella** WALKER, Cat. Brit. Mus., xxix, 591, 1864. — Can.

ORNIX Treitschke.

TREITSCHKE, Schm. Eur., ix, 2, 192, 1833.

6387. **geminatella** PACKARD, Guide Stud. Ins., 353, 1869; CHAMBERS, Can. Ent., iii, 183, 1871. — Atl. States.

syn. *prunivorella* CHAMBERS, Can. Ent., v, 50, 1873; Cin. Quart. Jn. Sci., ii, 301, 1875; Bull. Geol. Surv. Terr., iii, 133, 141, 1877; Psyche, iii, 67, 1880; WALSINGHAM, Trans. Am. Ent. Soc., x, 194, 1882.

6388. **cratægifoliella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 8, 1860; Tin. No. Am., 94, 1872; CHAMBERS, Can. Ent., v, 48, 1873. — Pa.

*6389. **boreasella** CLEMENS, Proc. Ent. Soc. Phil., ii, 415, 1864; Tin. No. Am., 237, 1872. — Pa.

6390. **anglicella** STAINTON, Trans. Ent. Soc. Lond., (2), i, 92, 1850; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4097, 1901; WALSINGHAM, Trans. Am. Ent. Soc., x, 193, 1882. — Eur., Atl. States.?

syn. *fragariæ* STAINTON.

*6391. **festinella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 97, 1860; Tin. No. Am., 94, 1872. — Pa.

*6392. **inusitatumella** CHAMBERS, Can. Ent., v, 47, 1873; viii, 19, 1876. — Ky.

*6393. **quercifoliella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 116, 1875. — Mo.

*6394. **trepidella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 7, 1860; Tin. No. Am., 94, 1872. — Pa.

*6395. **quadripunctella** CLEMENS, Proc. Ent. Soc. Phil., i, 86, 1861; Tin. No. Am., 177, 1872. — Pa.

CORISCIUM Zeller.

ZELLER, Isis, 210, 1839.

6396. **albinatella** CHAMBERS, Can. Ent., iv, 25, 1872. — Ky.
syn. *albanotella* CHAMBERS, Can. Ent., ix, 123, 1877; Cin. Quart. Jn. Sci., i, 200, 1874; Bull. Geol. Surv. Terr., iii, 132, 1877.

6397. **paradoxum** FREY & BOLL, Stett. ent. Zeit., xxxiv, 205, 1873; xxxvii, 212, 1876; CHAMBERS, Cin. Quart. Jn. Sci., i, 200, 1874. — Atl. States.

6398. **quniquestrigella** CHAMBERS, Can. Ent., vii, 75, 1875; ix, 14, 124, 1877; x, 109, 1878. — Tex.

6399. **randiella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 247, 1900. — Fla.

6400. **rhombiferellum** FREY & BOLL, Stett. ent. Zeit., xxxvii, 212, 1876. — Tex.

6401. **cuculipenellum** HÜBNER, Ges. eur. Schmett., viii, Tin., vi, Al. B, f. 2, 1831; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4083, 1901; FERNALD, Can. Ent., xxv, 96, 1893. — Eur., N. Y.
syn. *cinerea* HAWORTH, *alautella* DUPONCHEL.

LEUCANTHIZA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 327, 1859.

6402. **amphicarpeæfoliella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 327, 1859; Tin. No. Am., 85, 87, 1872; CHAMBERS, Can. Ent., iii, 162, 1871. — No. Atl. States.
syn. *saundersella* CHAMBERS, Can. Ent., iii, 205, 1871; xi, 93, 1879.

MARMARA Clemens.

CLEMENS, Proc. Ent. Soc. Phil., ii, 6, 1863.

*6403. **salictella** CLEMENS, Proc. Ent. Soc. Phil., ii, 7, 1863; Tin. No. Am., 212, 1872. — Atl. States.
syn. *salicella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 156, 1878.

6404. **guilandinæ** BUSCK, Proc. U. S. Nat. Mus., xxiii, 234, 1900. — Fla.

LEUCOPTERA Hübner.

HÜBNER, Verz. bek. Schmett., 426, 1816; WALSINGHAM, Proc. Zool. Soc. Lond., 141, 272, 1897; *Cemiostoma* ZELLER, Linn. Ent., iii, 272, 1848.

6405. **erythrinella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 239, 1900. — Fla.

6406. **guettardella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 239, 1900. — Fla.

PROLEUCOPTERA Busck.

Busck, Jn. N. Y. Ent. Soc., x, 98, 1902.

6407. **albella** Chambers, Can. Ent., iii, 23, 209, 1871; Dyar, Proc. U. S. Nat. Mus., xxv, 410, 1902. — Ky., Col.

6408. **smilaciella** Busck, Jn. N. Y. Ent. Soc., viii, 244, 1901. — Pa., D. C.

PHILONOME Chambers.

Chambers, Can. Ent., vi, 96, 1874.

*6409. **clemensella** Chambers, Can. Ent., vi, 97, 1874; viii, 136, 1876; ix, 13, 1877; x, 238, 1878. — Ky.

BUSCKIA Dyar.

Eurynome Chambers (not Leach), Cin. Quart. Jn. Sci., ii, 304, 1875; Bull. Geol. Surv. Terr., iii, 140, 1877; Jn. Cin. Soc. Nat. Hist., ii, 196, 1879.

*6410. **albella** Chambers, Bull. Geol. Surv. Terr., iii, 140, 1877. — Col.

*6411. **luteella** Chambers, Cin. Quart. Jn. Sci., ii, 304, 1875; Bull. Geol. Surv. Terr., iii, 140, 1877. — Col.

CACONOME Dyar.

Acanthocnemes Chambers (not *Acanthocnemis* Hawle & Corda), Bull. Geol. Surv. Terr., iv, 104, 1878.

*6412. **fuscoseapulella** Chambers, Bull. Geol. Surv. Terr., iv, 104, 1878. — Tex.

LYONETIA Hübner.

Hübner, Verz. bek. Schmett., 423, 1816; Clemens, Tin. No. Am., 183, 1872.

*6413. **alniella** Chambers, Cin. Quart. Jn. Sci., ii, 303, 1875; Bull. Geol. Surv. Terr., iii, 140, 1877. — Col.

*6414. **apicistrigella** Chambers, Cin. Quart. Jn. Sci., ii, 105, 1875. — Ky.

*6415. **gracilella** Chambers, Can. Ent., viii, 34, 1876. — Ky.

*6416. **latistrigella** Walsingham, Trans. Am. Ent. Soc., x, 203, 1882. — Atl. States.

*6417. **nidificansella** Packard, Guide Stud. Ins., 354, 1869; Chambers, Can. Ent., xi, 75, 1879. — Atl. States.

*6418. **speculella** Clemens, Proc. Ent. Soc. Phil., i, 134, 1861; Tin. No. Am., 184, 1872. — Pa.

PHYLLOCNISTIS Zeller.

Zeller, Linn. Ent., iii, 264, 1848.

6419. **ampelopsiella** Chambers, Can. Ent., iii, 207, 1871; Cin. Quart. Jn. Sci., ii, 107, 304, 1875; Jn. Cin. Soc. Nat. Hist., ii, 13, 1880; Bull. Geol. Surv. Terr., iii, 140, 1877. — Ky.

6420. **populiella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 106, 303, 1875; Can. Ent., viii, 19, 1876; Bull. Geol. Surv. Terr., iii, 140, 147, 1877. — Ky.

6421. **vitifoliella** CHAMBERS, Can. Ent., iii, 206, 1871; vi, 169, 1874; FREY & BOLL, Stett. ent. Zeit., xxxix, 26, 1878; CHAMBERS, Psyche, iii, 67, 1880. — Ky., Wis.

6422. **vitigenella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 327, 1859; Tin. No. Am., 22, 39, 83, 1872; CHAMBERS, Can. Ent., iii, 206, 1871; vi, 169, 1874; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 314, 1873; CHAMBERS, Psyche, iii, 67, 1880. — Pa., Mass.

*6423. **liriodendrella** CLEMENS, Proc. Ent. Soc. Phil., ii, 13, 1863; Tin. No. Am., 220, 1872; CHAMBERS, Can. Ent., iii, 185, 206, 1871. — Pa.

*6424. **magnoliella** CHAMBERS, Psyche, iii, 67, 1880. — Ky.

*6425. **liquidambarisella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 106, 1875. — Ky.

*6426. **similiacicella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 107, 1875. — Ky.

6427. **intermediella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 253, 1900. — Fla.

6428. **erechtiisella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 104, 1878. — Ky., Tex.

syn. *insignis* FREY & BOLL, Stett. ent. Zeit., xxxvii, 217, 1876.

*6429. **magnatella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 315, 1873. — Mass.

METRIOCHROA Busck.

BUSCK, Proc. U. S. Nat. Mus., xxiii, 244, 1900.

6430. **psychotriatella** BUSCK, Proc. U. S. Nat. Mus., xxiii, 245, 1900. — Fla.

TISCHERIA Zeller.

ZELLER, Isis, 219, 1839.

*6431. **sulphurea** FREY & BOLL, Stett. ent. Zeit., xxxix, 256, 1878; WALSINGHAM, Ins. Life, ii, 324, 1890; iii, 387, 1891. — Tex.

6432. **clemensella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 99, 1878; WALSINGHAM, Ins. Life, ii, 323, 1890; iii, 388, 1891. — Tex.

syn. *bicolor* FREY & BOLL, Stett. ent. Zeit., xxxix, 255, 1878.

*6433. **concolor** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 352, 1875; FREY & BOLL, Stett. ent. Zeit., xxxix, 255, 1878; WALSINGHAM, Ins. Life, ii, 324, 1890. — Tex.

*6434. **castaneæella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 111, 1875; WALSINGHAM, Ins. Life, iii, 388, 1891. — Ky.

syn. *castanella* WALSINGHAM, Ins. Life, iii, 389, 1891.

*6435. **citrinipennella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 324, 1859; Tin. No. Am., 39, 80, 82, 1872; CHAMBERS, Can. Ent., iii, 208, 1871; WALSINGHAM, Ins. Life, ii, 323, 1889. — Atl. States.

syn. *quercitella* CLEMENS, Proc. Ent. Soc. Phil., ii, 13, 1863; CHAMBERS, Can. Ent., iii, 208, 1871; FREY & BOLL, Stett. ent. Zeit., xxxiv, 221, 1873; xxxix, 254, 1878; CHAMBERS, Cin. Quart. Jn. Sci., ii, 111, 1875; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 146, 1875; CHAMBERS, Bull. Geol. Surv. Terr., iv, 97, 1878; Psyche, iii, 68, 1880; WALSINGHAM, Ins. Life, ii, 324, 1890; *quercivorella* CHAMBERS, Cin. Quart. Jn. Sci., ii, 109, 1877; Bull. Geol. Surv. Terr., iv, 97, 1878.

6436. **badiiella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 109, 111, 1875; WALSINGHAM, Ins. Life, iii, 387, 1891. — Ky.

syn. *bodicella* CHAMBERS, Can. Ent., vii, 124, 1875.

*6437. **fuscomarginella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 110, 1875; WALSINGHAM, Ins. Life, ii, 324, 1890; iii, 388, 1891. — Ky.

6438. **tinctoriella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 108, 1875; WALSINGHAM, Trans. Am. Ent. Soc., x, 202, 1882; Ins. Life, ii, 324, 1890; iii, 386, 1891. — Ky.

*6439. **helianthi** FREY & BOLL, Stett. ent. Zeit., xxxix, 258, 1878; WALSINGHAM, Ins. Life, ii, 324, 1890. — Tex.

6440. **solidaginifoliella** CLEMENS, Proc. Acad. Nat. Sci., Phil., 326, 1859; Tin. No. Am., 180, 1872; CHAMBERS, Can. Ent., iii, 208, 1871; FREY & BOLL, Stett. ent. Zeit., xxxix, 257, 1878; WALSINGHAM, Ins. Life, ii, 324, 1890. — Pa.

*6441. **purinosella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 110, 1875. — Ky.

syn. *pruinosella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 97, 1878; FREY & BOLL, Stett. ent. Zeit., xxxix, 257, 1878; WALSINGHAM, Ins. Life, ii, 324, 1890.

*6442. **pulvella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 99, 1878. — Tex.

*6443. **heteroteræ** FREY & BOLL, Stett. ent. Zeit., xxxix, 257, 1878. — Tex.

6444. **heliopsisella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 113, 1875; WALSINGHAM, Proc. Ent. Soc. Lond., 145, 1897; Ins. Life, ii, 325, 1890. — Ky., Tex.

syn. *nolckenii* FREY & BOLL, Stett. ent. Zeit., xxxvii, 220, 1876; xxxix, 257, 1878.

*6445. **longeciliata** FREY & BOLL, Stett. ent. Zeit., xxxix, 259, 1878. — Tex.

6446. **ambrosiæella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 112, 1875; WALSINGHAM, Ins. Life, ii, 325, 1890. — Ky.

6447. **ceanothi** WALSINGHAM, Ins. Life, ii, 325, 1890. — Cal.

6448. **malifoliella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 208, 1860; Tin. No. Am., 141, 1872; CHAMBERS, Can. Ent., iii, 208, 1871; v, 50, 1873; vi, 150, 1874; FREY & BOLL, Stett. ent. Zeit., xxxiv, 222, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 111, 1875; FREY & BOLL, Stett. ent. Zeit., xxxix, 254, 1878; WALSINGHAM, Ins. Life, ii, 326, 1890; CHAMBERS, Psyche, iii, 68, 1880. — Atl. States.

6449. **ænea** FREY & BOLL, Stett. ent. Zeit., xxxiv, 222, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 210, 1874; Bull. Geol. Surv. Terr., iv, 99, 1878; FREY & BOLL, Stett. ent. Zeit., xxxvii, 220, 1876; xxxix, 254, 1878; WALSINGHAM, Ins. Life, ii, 326, 1890. — Atl. States.

*6450. **roseticola** FREY & BOLL, Stett. ent. Zeit., xxxiv, 223, 1873; CHAMBERS, Cin. Quart. Jn. Sci., i, 210, 1874; ii, 112, 1875; WALSINGHAM, Ins. Life, ii, 326, 1890. — Atl. States.

COPTOTRICHE Walsingham.

WALSINGHAM, Ins. Life, ii, 322, 1890.

6451. **zelleriella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 326, 1859; Tin. No. Am., 81, 1872; CHAMBERS, Can. Ent., iii, 208, 1871; Cin. Quart. Jn. Sci., ii, 109, 1875; ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 147, 1875; CHAMBERS, Bull. Geol. Surv. Terr., iv, 98, 1878; WALSINGHAM, Ins. Life, iii, 387, 1891. — Atl. States.

syn. *complanoides* FREY & BOLL, Stett. ent. Zeit., xxxiv, 220, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 99, 1878; *zellerella* FREY & BOLL, Stett. ent. Zeit., xxxiv, 220, 1873; *latipennella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 97, 1878.

PODIASA Busck.

Busck, Proc. U. S. Nat. Mus., xxiii, 240, 1900.

6452. **chiococcella** Busck, Proc. U. S. Nat. Mus., xxiii, 240, 1900. — Fla.

ARGYRESTHIA Hübner.

Hübner, Verz. bek. Schmett., 422, 1816.

6453. **abdominalis** Zeller, Linn. Ent., ii, 270, 1847; Verh. zool.-bot. Ges. Wien, xxiii, 306, 1873. — Tex.

*6454. **altissimella** Chambers, Bull. Geol. Surv. Terr., iii, 130, 147, 1877. — Col.

6455. **andereggiella** Duponchel, Hist. Nat., xi, 305, 9, 1838; Staudinger & Rebel, Cat. Lep. Eur., ii, no. 2423, 1901; Clemens, Proc. Acad. Nat. Sci. Phil., 7, 1860; Tin. No. Am., 39, 93, 1872; Chambers, Can. Ent., vi, 10, 1874; vii, 145, 1875; Zeller, Verh. zool.-bot. Ges. Wien, xxv, 304, 1875; Chambers, Bull. Geol. Surv. Terr., iii, 131, 141, 1877. — Atl. States, Eur.

syn. *oreasella* Clemens, Proc. Acad. Nat. Sci. Phil., 7, 1860.

*6456. **apicimaculella** Chambers, Can. Ent., vi, 11, 1874. — Ky.

syn. *visaliella* Chambers, Can. Ent., vi, 145, 1874.

6457. **austerella** Zeller, Verh. zool.-bot. Ges. Wien, xxiii, 305, 1873. — Tex.

syn. *undulatella* Chambers, Can. Ent., vi, 10, 1874; vii, 145, 1875; ix, 72, 1877.

6458. **goedertella** Linnæus, Syst. Nat., 541, 1758; Staudinger & Rebel, Cat. Lep. Eur., ii, no. 2420, 1901; Chambers, Can. Ent., vii, 144, 1875; viii, 19, 1876; Bull. Geol. Surv. Terr., iii, 131, 141, 147, 1877. — Col., Eur.

syn. *gædastella* Chambers, Cin. Quart. Jn. Sci., ii, 294, 1875.

6459. **mendica** Haworth, Lep. Brit., 517, 1829; Staudinger & Rebel, Cat. Lep. Eur., ii, no. 2397, 1901; Walsingham, Ins. Life, iii, 118, 1891. — Eur., U. S.?

*6460. **belangerella** Chambers, Can. Ent., vii, 145, 1875. — Can.

*6461. **cupressella** Walsingham, Ins. Life, iii, 118, 1890. — Cal.

*6462. **freyella** Walsingham, Ins. Life, iii, 119, 1890. — Tex.

*6463. **deletella** Zeller, Verh. zool.-bot. Ges. Wien, xxiii, 305, 1873. — Tex.

*6464. **montella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 130, 1877. — Col.

*6465. **plicipunctella** WALSINGHAM, Ins. Life, iii, 119, 1890; 386, 1891. — (Unknown.)

*6466. **pedmontella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 131, 1877. — Col.

6467. **pygmæella** HÜBNER, Schm. Eur., 353, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 2419, 1901. — Eur.

*6468. **quadristrigella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 304, 1873; FREY & BOLL, Stett. ent. Zeit., xxxvii, 209, 1876. — Tex.

*6469. **quercicolella** CHAMBERS, Bull. Geol. Surv. Terr., iii, 130, 1877. — Col.

*6470. **subreticulata** WALSINGHAM, Trans. Am. Ent. Soc., x, 173, 1882. — Atl. States.?

ACROLEPIA Curtis.

CURTIS, Brit. Ent., xv, 1838; *Argiope* CHAMBERS, Can. Ent., v, 13, 1873.

*6471. **incertella** CHAMBERS, Can. Ent., iv, 43, 1872. — Ky.

syn. *dorsimaculella* CHAMBERS, Can. Ent., v, 13, 174, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 172, 1882.

EUCATAGMA Busck.

BUSCK, Jn. N. Y. Ent. Soc., viii, 247, 1901.

6472. **amyrisella** BUSCK, Jn. N. Y. Ent. Soc., viii, 247, 1901. — Fla.

SCARDIA Treitschke.

TREITSCHKE, Schm. Eur., viii, 291, 1830; *Fernaldia* GROTE, Bull. Geol. Surv. Terr., vi, 274, 1882.

*6473. **tessulatella** ZELLER, Stett. ent. Zeit., vii, 182, 1846; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4521, 1901. — Eur.

syn. *tessalutella* RILEY, Smith's List Lep. Bor. Am., 95, 190, 1891.

6474. **anatomella** GROTE, Bull. Geol. Surv. Terr., vi, 274, 1882; WALSINGHAM, Trans. Am. Ent. Soc., x, 171, 1882. — N. Y.

EUPLOCAMUS Latreille.

LATREILLE, Gen. Crust. Ins., iv, 223, 1796.

*6475. **fuscofasciella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 257, 1875. — Ky.

XYLESTIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 256, 1859; WALSINGHAM, Proc. Zool. Soc. Lond., 166, 1897.

6476. **pruniramiella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 257, 1859; Tin. No. Am., 39, 54, 59, 1872. — Atl. States.

syn. *congeminatella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 218, 1873; *clemensella* CHAMBERS, Can. Ent., v, 174, 1873; ix, 208, 1877.

INCURVARIA Haworth.

HAWORTH, Lep. Brit., 559, 1829.

6477. **acerifoliella** FITCH, Rep. Ins. N. Y., i, 269, 1854; CLEMENS, Proc. Acad. Nat. Sci. Phil., 5, 1860; Tin. No. Am., 90, 1872; WALSINGHAM, Ins. Life, i, 147, 1888. — Atl. States.

syn. *iridella* CHAMBERS, Can. Ent., v, 86, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 172, 1882.

6478. **ænescens** WALSINGHAM, Ins. Life, i, 147, 1888. — Oreg.

6479. **humilis** WALSINGHAM, Ins. Life, i, 146, 1888. — Cal.

*6480. **labradoriella** CLEMENS, Proc. Ent. Soc. Phil., ii, 416, 1864; Tin. No. Am., 238, 1872; WALSINGHAM, Ins. Life, i, 147, 1888. — Lab.

*6481. **mediostriatella** CLEMENS, Proc. Ent. Soc. Phil., v, 147, 1866; Tin. No. Am., 273, 1872. — Atl. States.

syn. *flavistrigella* WALSINGHAM, Trans. Am. Ent. Soc., x, 189, 1882; Ins. Life, i, 147, 1888; *auristrigella* CHAMBERS, Can. Ent., v, 86, 1873; ix, 207, 1877.

6482. **politella** WALSINGHAM, Ins. Life, i, 146, 1888. — Oreg.

6483. **punctiferella** WALSINGHAM, Ins. Life, i, 145, 1888. — Oreg., Cal.

*6484. **russatella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 5, 1860; Tin. No. Am., 89, 1872. — Atl. States.

syn. *tripunctella* WALSINGHAM, Proc. Zool. Soc. Lond., 92, 1880; Trans. Am. Ent. Soc., x, 172, 1882.

6485. **solenobiella** WALSINGHAM, Proc. Zool. Soc. Lond., 82, 1880; Ins. Life, i, 146, 1888. — Cal.

*6486. **oregonella** WALSINGHAM, Proc. Zool. Soc. Lond., 91, 1880; Trans. Am. Ent. Soc., x, 172, 1882. — Oreg.

TINEOLA Herrich-Schaeffer.

HERRICH-SCHAEFFER, Syst. Bearb. Schmett. Eur., v, 23, 1853.

6487. **bisselliella** HUMMEL, Ess. Ent., iii, 13, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4624, 1901; PACKARD, Am. Nat., i, 423, 1867; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 223, 1873; FERNALD, Can. Ent., xiv, 169, 1882; WALSINGHAM, Trans. Am. Ent. Soc., x, 82, 171, 1882. — Eur., U. S.

syn. *crinella* TREITSCHKE, *destructor* STEPHENS, *bisselliella* ZELLER, Linn. Ent., vi, 166, 1852; *lanariella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 251, 258, 1859.

MONOPIS Hübner.

HÜBNER, Verz. bek. Schmett., 401, 1816.

6488. **ferruginella** HÜBNER, Schm. Eur., 348, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4533, 1901. — Atl. States, Eur.

syn. *crociceapitella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 257, 1859; WALSINGHAM, Trans. Am. Ent. Soc., x, 170, 1882.

6489. **rusticella** HÜBNER, Schm. Eur., 339, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4537, 1901; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 220, 1873. — Eur., U. S.

syn. *vestianella* STEPHENS; RILEY, Am. Ent. & Bot., ii, 90, 1870; Rep. Ins. Mo., iii, 10, 1870.

6490. **monachella** HÜBNER, Schm. Eur., 143, 1827; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4536, 1901. — Eur., Can.

TINEA Linnæus.

LINNÆUS, Syst. Nat., 534, 1758.

6491. **acapnopennella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 257, 1859; Tin. No. Am., 233, 1872. — Atl. States.

syn. *auropulvella* CHAMBERS, Can. Ent., v, 90, 1873; vii, 125, 1875; viii, 19, 1876; *acapuspenella* RILEY, Smith's List Lep. Bor. Am., 95, 1891.

*6492. **apimaculella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 257, 1875. — Ky.

*6493. **aurosuffusella** CHAMBERS, Can. Ent., v, 87, 1873. — Ky.

*6494. **behrensella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 249, 1875. — Cal.

*6495. **biflavimaculella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 257, 1859; Tin. No. Am., 50, 237, 1872; Proc. Ent. Soc. Phil., ii, 413, 1864; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 220, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 170, 1882. — Atl. States.

syn. *insignisella* WALKER, Cat. Brit. Mus., xxviii, 471, 1863.

6496. **bimaculella** CHAMBERS, Can. Ent., v, 87, 1873. — Ky.

*6497. **carnariella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 256, 1859; Tin. No. Am., 51, 1872; CHAMBERS, Bull. Geol. Surv. Terr., iv, 166, 1878. — Pa.

*6498. **costosignella** CLEMENS, Proc. Ent. Soc. Phil., ii, 128, 1863; Tin. No. Am., 235, 1872. — Pa.

*6499. **costostrigella** CHAMBERS, Can. Ent., v, 87, 1873. — Ky.

*6500. **croceoverticella** CHAMBERS, Can. Ent., viii, 106, 1876. — Ky.

*6501. **defectella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 220, 1873. — Cal.

6502. **dorsistrigella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 257, 1859; Tin. No. Am., 50, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 220, 1873; xxv, 342, 1875. — Atl. States.

syn. *subjunctella* WALKER, Cat. Brit. Mus., xxvii, 471, 1863; WALSINGHAM, Trans. Am. Ent. Soc., x, 170, 1882.

6503. **fuscipunctella** HAWORTH, Lep. Brit., 562, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4583, 1901. — Eur., Lab.

syn. *spretella* ZELLER, *nubilipennella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 257, 1859; Tin. No. Am., 58, 1872; *frigidella* PACKARD, Proc. Bost. Soc. Nat. Hist., xi, 61, 1867; WALSINGHAM, Trans. Am. Ent. Soc., x, 171, 1882.

*6504. **fuscomaculella** CHAMBERS, Can. Ent., v, 90, 1873. — Ky.

6505. **fuscopulvella** CHAMBERS, Can. Ent., v, 90, 1873. — Ky.

6506. **granella** LINNÆUS, Syst. Nat., 537, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4555, 1901; PACKARD, Guide Stud. Ins., 347, 1869; CHAMBERS, Bull. Geol. Surv. Terr., iv, 164, 1878; WALSINGHAM, Trans. Am. Ent. Soc., x, 171, 1882. — Eur., Atl. States.

syn. *variatella* CLEMENS, Proc. Acad. Nat. Sci. Phil., 257, 1859; CHAMBERS, Can. Ent., vii, 126, 1875.

6507. **grumella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 221, 1873. — Mass.

*6508. **imitatorella** CHAMBERS, Can. Ent., viii, 105, 1876. — Ky.

*6509. **maculabella** CHAMBERS, Can. Ent., v, 90, 1873. — Ky.

6510. **marginimaculella** CHAMBERS, Can. Ent., vii, 212, 1875. — Can.

syn. *maculimarginella* CHAMBERS, Bull. Geol. Surv. Terr., iv, 164, 1878.

*6511. **marginistrigella** CHAMBERS, Can. Ent., v, 88, 1873. — Ky.

6512. **marmorella** CHAMBERS, Can. Ent., vii, 212, 1875. — Can.

6513. **minutipulvella** CHAMBERS, Can. Ent., vii, 212, 1875. — Can.

6514. **misella** ZELLER, Isis, 184, 1839; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4580, 1901; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 223, 1873. — Tex., Eur.

*6515. **misceella** CHAMBERS, Can. Ent., v, 86, 1873. — Ky.

*6516. **niveocapitella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 249, 1775. — Cal.

*6517. **obscurostrigella** CHAMBERS, Can. Ent., vi, 232, 1874. — Tex.

6518. **oregonella** BUSCK, Jn. N. Y. Ent. Soc., viii, 246, 1900. — Oreg.

*6519. **orleansella** CHAMBERS, Can. Ent., v, 85, 1873. — La.

6520. **pellionella** LINNÆUS, Syst. Nat., 536, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4584, 1901; WALSINGHAM, Trans. Am. Ent. Soc., x, 170, 1882; FERNALD, Can. Ent., xiv, 169, 1882. — Eur., U. S., Asia.

syn. *flavescentella* HAWORTH, *mordella* ZELLER, *dubiella* STAINTON, *grisseella* CHAMBERS, Can. Ent., v, 88, 1873.

6521. **seminolella** BEUTENMÜLLER, Ent. Amer., v, 9, 1889. — Fla.

*6522. **septemstrigella** CHAMBERS, Bull. Geol. Surv. Terr., iv, 79, 1878. — Tex.

*6523. **thoracestrigella** CHAMBERS, Can. Ent., viii, 106, 1876. — Ky.?

*6524. **tricingulatella** CLEMENS, Proc. Ent. Soc. Phil., ii, 128, 1863; Tin. No. Am., 234, 1872. — Pa.

*6525. **trimaculella** CHAMBERS, Can. Ent., v, 88, 1873. — Ky.

*6526. **unomaculella** CHAMBERS, Cin. Quart. Jn. Sci., ii, 258, 1875. — Tex.

6527. **cloacella** HAWORTH, Lep. Brit., 563, 1829; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4556, 1901. — Eur., U. S.?

*6528. **straminella** CHAMBERS, Can. Ent., v, 86, 1873. — Ky.

*6529. **martinella** WALKER, Cat. Brit. Mus., xxviii, 472, 1863. — Can.

*6530. **afflictella** WALKER, Cat. Brit. Mus., xxx, 1002, 1864. — Can.

6531. **arcella** FABRICIUS, Gen. Ins., 295, 1777; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4543, 1901. — Eur., U. S.?

TRICHOPHAGA Ragonot.

RAGONOT, Ann. Soc. Ent. Fr., lxiii, 123, 1894.

6532. **tapetzella** LINNÆUS, Syst. Nat., 536, 1758; STAUDINGER & REBEL, Cat. Lep. Eur., ii, no. 4539, 1901; CLEMENS, Tin. No. Am., 258, 1872; CHAMBERS, Bull. Geol. Surv. Terr., iv, 164, 1878; FERNALD, Can. Ent., xiv, 169, 1882. — Eur., U. S.

a. **occidentella** CHAMBERS, Jn. Cin. Soc. Nat. Sci ii, 193, 1879.

AMADRYA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 260, 1859.

*6533. **clemensella** CHAMBERS, Can. Ent., vi, 232, 1874; Cin. Quart. Jn. Sci., ii, 256, 1875. — Tex.

*6534. **effrenatella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 260, 1859; Tin. No. Am., 55, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 219, 1873; CHAMBERS, Cin. Quart. Jn. Sci., ii, 256, 1875. — Pa., Mass.

CYANE Chambers.

CHAMBERS, Can. Ent., v, 112, 1873.

*6535. **visaliella** CHAMBERS, Can. Ent., v, 113, 1873. — Ky.

PHRYGANEOPSIS Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 301, 1881.

*6536. **brunnea** WALSINGHAM, Proc. Zool. Soc. Lond., 302, 1881. — Cal.

DIACHORISIA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 12, 1860.

*6537. **velatella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 13, 1860; Tin. No. Am., 107, 1872. — Pa.

EUDARCIA Clemens.

Clemens, Proc. Acad. Nat. Sci. Phil., 10, 1860.

6538. **simulatricella** Clemens, Proc. Acad. Nat. Sci. Phil., 11, 1860; Tin. No. Am., 102, 1872; Walsingham, Trans. Am. Ent. Soc., x, 171, 1882. — Atl. States.

syn. *carmentariella* Chambers, Can. Ent., v, 85, 1873; viii, 105, 1876.

TENAGA Clemens.

Clemens, Proc. Ent. Soc. Phil., i, 135, 1862.

*6539. **pomiliella** Clemens, Proc. Ent. Soc. Phil., i, 136, 1862; Tin. No. Am., 186, 1872. — Pa.

HYBROMA Clemens.

Clemens, Proc. Ent. Soc. Phil., i, 137, 1862.

*6540. **servulella** Clemens, Proc. Ent. Soc. Phil., i, 137, 1862; Tin. No. Am., 187, 1872. — Pa.

PITYS Chambers.

Chambers, Can. Ent., v, 110, 1873.

*6541. **fasciella** Chambers, Can. Ent. v 111 1873; ix, 207, 1877. — Ky.

*6542. **auricristatella** Chambers, Can. Ent., v, 110, 1873. — Ky.

*6543. **fuscocristatella** Chambers, Can. Ent., v, 111, 1873. — Ky.

*6544. **miscecristatella** Chambers, Can. Ent., v, 111, 1873. — Ky.

OENOE Chambers.

Chambers, Can. Ent., vi, 50, 1874.

*6545. **hybromella** Chambers, Can. Ent., vi, 51, 1874; Jn. Cin. Soc. Nat. Hist., ii, 186, 1879. — Ky.

SEMELE Chambers.

Chambers, Cin. Quart. Jn. Sci., ii, 243, 1875.

*6546. **argentistrigella** Chambers, Can. Ent., v, 89, 1873; viii, 105, 1876. — Ky.

*6547. **argentinotella** Chambers, Can. Ent., viii, 104, 1876. — Ky.

*6548. **cristatella** Chambers, Cin. Quart. Jn. Sci., ii, 243, 1875; Can. Ent., ix, 208, 1877. — Ky.

syn. *bifasciella* Chambers, Can. Ent., viii, 105, 1876; ix, 208, 1877.

SETOMORPHA Zeller.

ZELLER, Micr. Caffr., 93, 1853.

*6549. **operosella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 223, 1873. — Mass.?

*6550. **inamœnella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 224, 1873. — Mass.?

*6551. **ruderella** ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 225, 1873. — Mass.?

ADELA Latreille.

LATREILLE, Gen. Crust. Ins., iv, 224, 1796; CLEMENS, Tin. No. Am., 249, 1872.

6552. **æruginosella** WALSINGHAM, Ins. Life, ii, 285, 1890. — La.

6553. **bella** CHAMBERS, Can. Ent., v, 73, 1873; ix, 207, 1877; xi, 125, 1879; WALSINGHAM, Ins. Life, ii, 285, 1890. — Atl. States.

syn. *chalybeis* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 226, 1873; WALSINGHAM, Proc. Zool. Soc. Lond., 79, 1880; *iochroa* ZELLER, Hor. Soc. Ent. Ross., xiii, 218, 1877.

*6554. **bellella** WALKER, Cat. Brit. Mus., xxviii, 561, 1863; WALSINGHAM, Proc. Zool. Soc. Lond., 79, 1880; Ins. Life, ii, 284, 1890. — Can.

6555. **flammeusella** CHAMBERS, Can. Ent., viii, 104, 1876; WALSINGHAM, Proc. Zool. Soc. Lond., 79, 1880. — Cal.

syn. *flamensella* WALSINGHAM, Ins. Life, ii, 284, 1890; *lactimaculella* WALSINGHAM, Proc. Zool. Soc. Lond., 80, 1880.

6556. **punctiferella** WALSINGHAM, Ins. Life, ii, 284, 1890. — Cal.

6557. **purpura** WALKER, Cat. Brit. Mus., xxviii, 501, 1863; WALSINGHAM, Proc. Zool. Soc. Lond., 79, 1880; Ins. Life, ii, 285, 1890. — No. Atl. States.

syn. *biviella* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 226, 1873; CHAMBERS, Can. Ent., ix, 206, 1877; xi, 125, 1879.

6558. **ridingsella** CLEMENS, Proc. Ent. Soc. Phil., ii, 426, 1864; Tin. No. Am., 250, 1872; PACKARD, Guide Stud. Ins., 348, 1869; WALSINGHAM, Ins. Life, ii, 285, 1890. — Atl. States.

syn. *schlaegeri* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 227, 1873; WALSINGHAM, Trans. Am. Ent. Soc., x, 173, 1882; *corruscifusciella* CHAMBERS, Can. Ent., v, 74, 1873; ix, 207, 1877; xi, 125, 1879; WALSINGHAM, Proc. Zool. Soc. Lond., 79, 1880.

6559. **septentrionella** WALSINGHAM, Proc. Zool. Soc. Lond., 79, 1880. — Oreg., Cal.

6560. **simpliciella** WALSINGHAM, Proc. Zool. Soc. Lond., 81, 1880; Ins. Life, ii, 284, 1890. — Oreg.

6561. **singulella** WALSINGHAM, Proc. Zool. Soc. Lond., 80, 1880; Ins. Life, ii, 285, 1890. — Cal.

*6562. **trifasciella** CHAMBERS, Can. Ent., viii, 103, 1876. — Cal.

6563. **trigrapha** ZELLER, Verh. zool.-bot. Ges. Wien, xxv, 342, 1875; WALSINGHAM, Proc. Zool. Soc. Lond., 79, 1880. — Cal.

syn. *fasciella* CHAMBERS, Can. Ent., viii, 103, 1876.

PRODOXUS Riley.

RILEY, Am. Ent., iii, 155, 1880.

6564. **quinquepunctella** CHAMBERS, Can. Ent., vii, 7, 1875; RILEY, Am. Ent., iii, 141, 1880. — So. Atl. States.

syn. *decipiens* RILEY, Amer. Ent., iii, 155, 1880; Proc. Am. Ass. Adv. Sci., 1880, 617, 1881; Am. Nat., xvi, 62, 1882; Ins. Life, iv, 371, 1892; *paradoxica* CHAMBERS, Jn. Cin. Soc. Nat. Hist., i, 149, 1878.

6565. **intermedius** RILEY, Proc. Am. Ass. Adv. Sci., 1880, 617, 1881. — Tex.

6566. **marginatus** RILEY, Proc. Am. Ass. Adv. Sci., 1880, 617, 1881; Ins. Life, iv, 373, 1892. — Cal.

6567. **y-inversa** RILEY, Proc. Ent. Soc. Wash., ii, 316, 1892; Ins. Life, iv, 373, 1892. — Cal.

6568. **reticulata** RILEY, Proc. Ent. Soc. Wash., ii, 316; 1892; Ins. Life, iv, 374, 1892. — Col.

6569. **coloradensis** RILEY, Proc. Ent. Soc. Wash., ii, 316, 1892; Ins. Life, iv, 374, 1892. — Col.

a. **lautus** COCKERELL, Psyche, viii, 142, 1897.

b. **confluens** COCKERELL, Psyche, viii, 142, 1897.

6570. **pulverulentus** RILEY, Proc. Ent. Soc. Wash., ii, 315, 1892. — Cal.

6571. **sordidus** RILEY, Proc. Ent. Soc. Wash., ii, 319 1892. — Cal.

6572. **cinereus** RILEY, Proc. Am. Assoc. Adv. Sci., 1880, 617, 1881. — Cal.

6573. **ænescens** RILEY, Proc. Am. Assoc. Adv. Sci., 1880, 617, 1881. — Cal.

PRONUBA Riley.

Riley, Fifth Rept. Ins. Mo., 150, 1873; Ins. Life, iv, 360, 1892.

6574. **yuccasella** Riley, Fifth Rept. Ins. Mo., 150, 1873; Chambers, Bull. Geol. Surv. Terr., iv, 161, 1878; Riley, Nature, vi, 444, 1872; Trans. Acad. Nat. Sci. St. Louis, iii, 55, 1873; Boll, Stett. ent. Zeit., xxxvii, 401, 1876; Riley, Am. Ent., iii, 182, 293, 1880; Can. Ent., xii, 263, 1880; Proc. Am. Assoc. Adv. Sci., 1880, 617, 1881; Ins. Life, iv, 360, 1892. — So. Atl. States.

syn. *alba* Zeller, Verh. zool.-bot. Ges. Wien, xxiii, 232, 1873; xxv, 340, 1885; Hagen, Can. Ent., xii, 129, 1880.

6575. **maculata** Riley, Proc. Am. Assoc. Adv. Sci., 1880, 617, 1881; Proc. Ent. Soc. Wash., ii, 315, 1892; Ins. Life, iv, 368, 1892. — Cal., Col.

a. **apicella** Dyar (spots pulverulent, confluent apically, the subbasal ones obsolete).

6576. **paradoxa** Riley, Proc. Ent. Soc. Wash., i, 154, 1889. — Cal.

syn. *synthetica* Riley, Proc. Ent. Soc. Wash., ii, 312, 1892.

NEOLOPHUS Walsingham.

Walsingham, Trans. Ent. Soc. Lond., 141, 1887.

6577. **furcatus** Walsingham, Trans. Ent. Soc. Lond., 141, 1887. — Ariz.

6578. **persimplex** Dyar, Can. Ent., xxxii, 327, 1900. — Ariz.

EULEPISTE Walsingham.

Walsingham, Trans. Am. Ent. Soc., x, 169, 1882; Trans. Ent. Soc. Lond., 142, 1887.

6579. **cressoni** Walsingham, Trans. Am. Ent. Soc., x, 169, 1882; Trans. Ent. Soc. Lond., 142, 1887. — Tex.

6580. **maculifer** Walsingham, Trans. Ent. Soc. Lond., 143, 1887. — Ariz.

6581. **cockerelli** Dyar, Can. Ent., xxxii, 307, 1900. — N. Mex.

HYPOCOLPUS Walsingham.

Walsingham, Trans. Ent. Soc. Lond., 144, 1887.

6582. **griseus** Walsingham, Trans. Ent. Soc. Lond., 144, 1887. — D. C., Tex., Ariz.

6583. **mortipennellus** GROTE, Can. Ent., iv, 137, 1872; xviii, 199, 1886; WALSINGHAM, Trans. Am. Ent. Soc., x, 167, 1882; Trans. Ent. Soc. Lond., 150, 1887. — So. Atl. States.

syn. *quadripunctellus* DYAR, Can. Ent., xxxii, 307, 1900.

ACROLOPHUS Poey.

POEY, Cent. Lep. Cuba, 1832; WALSINGHAM, Trans. Ent. Soc. Lond., 147, 1887.

6584. **plumifrontellus** CLEMENS, Proc. Acad. Nat. Sci. Phil., 261, 1859; Tin. No. Am., 57, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 218, 1873; WALSINGHAM, Proc. Zool. Soc. Lond., 513, 1891; BEUTENMÜLLER, Ent. Amer., v, 9, 1889. — Atl. States.

syn. *bombycina* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 216, 1873; CHAMBERS, Bull. Geol. Surv. Terr., iv, 79, 1878; WALSINGHAM, Trans. Ent. Soc. Lond., 149, 1887.

6585. **cervinus** WALSINGHAM, Trans. Ent. Soc. Lond., 151, 1887; DYAR, Can. Ent., xxxii, 308, 1900. — Fla., Tex.

syn. *angustipennellus* BEUTENMÜLLER, Ent. Amer., iii, 140, 1887.

6586. **texanellus** CHAMBERS, Bull. Geol. Surv. Terr., iv, 79, 1878; WALSINGHAM, Trans. Ent. Soc. Lond., 152, 1887. — N. C., Tex.

6587. **hulstellus** BEUTENMÜLLER, Ent. Amer., iii, 139, 1887. — Fla.

6588. **arizonellus** WALSINGHAM, Trans. Ent. Soc. Lond., 153, 1887; DYAR, Can. Ent., xxxii, 309, 1900. — Ariz., N. Mex.

6589. **simulatus** WALSINGHAM, Trans. Am. Ent. Soc., x, 168, 1882; Trans. Ent. Soc. Lond., 148, 1887. — Tex., Ariz.

ATOPOCERA Walsingham.

WALSINGHAM, Proc. Zool. Soc. Lond., 169, 1897.

6590. **barnesii** DYAR, Can. Ent., xxxii, 326, 1900. — Tex.

ANAPHORA Clemens.

CLEMENS, Proc. Acad. Nat. Sci. Phil., 260, 1859; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 214, 1873; WALSINGHAM, Trans. Ent. Soc. Lond., 155, 1887.

6591. **propinqua** WALSINGHAM, Trans. Ent. Soc. Lond., 157, 1887. — Fla.

6592. **confusellus** DYAR, Can. Ent., xxxii, 309, 1900. — So. Atl. States.

*6593. **morrisoni** WALSINGHAM, Trans. Ent. Soc. Lond., 157, 1887. — Fla.

6594. **popeanella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 261, 1859; Tin. No. Am., 57, 1872; WALSINGHAM, Trans. Ent. Soc. Lond., 161, 1887; Proc. Zool. Soc. Lond., 515, 1891; 172, 1897; CHAMBERS, Can. Ent., iv, 137, 143, 1872; ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 215, 1873. — Atl. States, Rocky Mts.

syn. *agrotipennella* GROTE, Can. Ent., iv, 137, 1872; MURTFELDT, Can. Ent., viii, 185, 1876; *scardina* ZELLER, Verh. zool.-bot. Ges. Wien, xxiii, 215, 1873.

6595. **tenuis** WALSINGHAM, Trans. Ent. Soc. Lond., 164, 1887. — So. Atl. States.

syn. *violacellus* BEUTENMÜLLER, Ent. Amer., iii, 139, 1887; DYAR, Can. Ent., xxxii, 309, 326, 1900.

6596. **macrogaster** WALSINGHAM, Trans. Ent. Soc. Lond., 165, 1887. — Ariz.

ORTHOLOPHUS Walsingham.

WALSINGHAM, Trans. Ent. Soc. Lond., 169, 1887.

6597. **piger** DYAR, Can. Ent., xxxii, 327, 1900. — Tex.

6598. **variabilis** WALSINGHAM, Trans. Ent. Soc. Lond., 169, 1887; DYAR, Can. Ent., xxxii, 310, 1900. — Rocky Mts., Ariz.

FELDERIA Walsingham.

WALSINGHAM, Trans. Ent. Soc. Lond., 165, 1887.

6599. **filicicornis** WALSINGHAM, Trans. Ent. Soc. Lond., 167, 1887. — Ariz., Mex.

syn. *mexicanellus* BEUTENMÜLLER, Ent. Amer., iv, 29, 1888; *filicornis* DYAR, Can. Ent., xxxii, 310, 1900.

6600. **dorsimacula** DYAR, Can. Ent., xxxii, 328, 1900. — Tex., Ariz.

PSEUDANAPHORA Walsingham.

WALSINGHAM, Trans. Ent. Soc. Lond., 170, 1887.

6601. **davisellus** BEUTENMÜLLER, Ent. Amer., iii, 139, 1887. — Ariz., Tex.

a. **minor** DYAR (smaller, the pale marks grayer and more contrasted).

6602. **arcanella** CLEMENS, Proc. Acad. Nat. Sci. Phil., 262, 1859; WALSINGHAM, Trans. Ent. Soc. Lond., 170, 1887; DYAR, Can. Ent., xxxii, 310, 1900. — Atl. States.

6603. **mora** GROTE, Bull. U. S. Geol. Surv. Terr., vi, 257, 1882; DYAR, Can. Ent., xxvii, 15, 1895; xxxii, 310, 1900; MERRICK, Proc. Ent. Soc. Wash., v, 40, 1902. — Atl. States.

Superfamily MICROPTERYGOIDEA.

Family HEPIALIDÆ.

(C. = Neumoegen & Dyar, Jn. N. Y. Ent. Soc., ii, 166-170, 1894.)

STHENOPIS Packard.

Packard, Proc. Ent. Soc. Phil., iii, 390, 1864; Neumoegen & Dyar, C. 166.

6604. **argenteomaculatus** Harris, Rept. Ins. Mass., 295, 1841; Neumoegen & Dyar, C. 166. — No. Atl. States.
syn. *argentata* Packard, *alni* Kellicott.
a. **purpurascens** Packard, Bost. Jn. Nat. Hist., vii, 598, 1863.
b. **los** Strecker, Proc. Acad. Nat. Sci. Phil., 282, 1893.
c. **perdita** Dyar, Can. Ent., xxv, 327, 1893.

6605. **quadriguttatus** Grote, Proc. Ent. Soc. Phil., iii, 73, 1864; Neumoegen & Dyar, C. 167. — No. Atl. States.
syn. *semiauratus* Neumoegen & Dyar.

6606. **thule** Strecker, Lep. Rhop. Het., 105, pl. 12, f. 6, 1875; Neumoegen & Dyar, C. 167. — Can., Wis.

*6607. **auratus** Grote, Can. Ent., x, 18, 1878; Neumoegen & Dyar, C. 167. — N. Y., N. H.

HEPIALUS Fabricius.

Fabricius, Syst. Ent., 589, 1775; Neumoegen & Dyar, C. 167.

6608. **hyperboreus** Möschler, Wien. ent. Mon., vi, 129, 1862; Neumoegen & Dyar, C. 168. — No. U. S.
syn. *pulcher* Grote, *meglashani* Hy. Edwards.
a. **matthewi** Hy. Edwards, Proc. Cal. Acad. Sci., v, 265, 1874.
b. **confusus** Hy. Edwards, Pap., iv, 122, 1884.
syn. *roseicaput* Neumoegen & Dyar.

6609. **mustelina** Packard, Proc. Ent. Soc. Phil., iii, 393, 1864; Neumoegen & Dyar, C. 168. — No. Atl. States.
syn. *labradorensis* Packard.

6610. **gracilis** Grote, Proc. Ent. Soc. Phil., iii, 522, 1864; Neumoegen & Dyar, C. 168. — No. Atl. States.
syn. *furcatus* Grote.

6611. **lembertii** Dyar, Ent. News, v, 25, 1894; Neumoegen & Dyar, C. 168. — Cal.

6612. **sequoiolus** Behrens, Can. Ent., viii, 174, 1876; Neumoegen & Dyar, C. 168. — Pac. States.
syn. *mendocinolus* Behrens.

6613. **behrensii** STRETCH, Zyg. Bomb. No. Am., 105, 1872; NEUMOEGEN & DYAR, C. 168. — Pac. States.

syn. *tacomæ* HY. EDWARDS.

6614. **montanus** STRETCH, Zyg. Bomb. No. Am., 105, 1872; NEUMOEGEN & DYAR, C. 170. — Pac. States.

syn. *desolatus* STRECKER, *baroni* BEHRENS, *anceps* HY. EDWARDS, *rectus* HY. EDWARDS.

6615. **hectoides** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 85, 1868; NEUMOEGEN & DYAR, C. 170. — Cal. Ariz.

syn. *modestus* HY. EDWARDS, *inutilis* HY. EDWARDS.

a. **lenzi** BEHRENS, Can. Ent., viii, 175, 1876.

syn. *sangaris* STRECKER.

*6616. **californicus** BOISDUVAL, Ann. Soc. Ent. Belg., xii, 85, 1868; NEUMOEGEN & DYAR, C. 170. — Cal.

Family MICROPTERYGIDÆ.

ERIOCEPHALA Curtis.

CURTIS, Brit. Ent., xvi, 1839.

*6617. **luteiceps** WALKER, Cat. Brit. Mus., xxviii, 494, 1863; WALSINGHAM, Proc. Zool. Soc. Lond., 83, 1880. — Atl. States.

6618. **auricyanea** WALSINGHAM, Trans. Am. Ent. Soc., x, 204, 1882. — Atl. States.

*6619. **griseocapitella** WALSINGHAM, Ent. Rec., x, 161, 1898. — Atl. States.

*6620. **aurosparsella** WALSINGHAM, Proc. Zool. Soc. Lond., 83, 1880. — Pac. States.

EPIMARTYRIA Walsingham.

WALSINGHAM, Ent. Rec., x, 161, 1898.

*6621. **pardella** WALSINGHAM, Proc. Zool. Soc. Lond., 83, 1880. — Pac. States.

*6622. **auricrinella** WALSINGHAM, Ent. Rec., x, 161, 1898. — Atl. States.

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